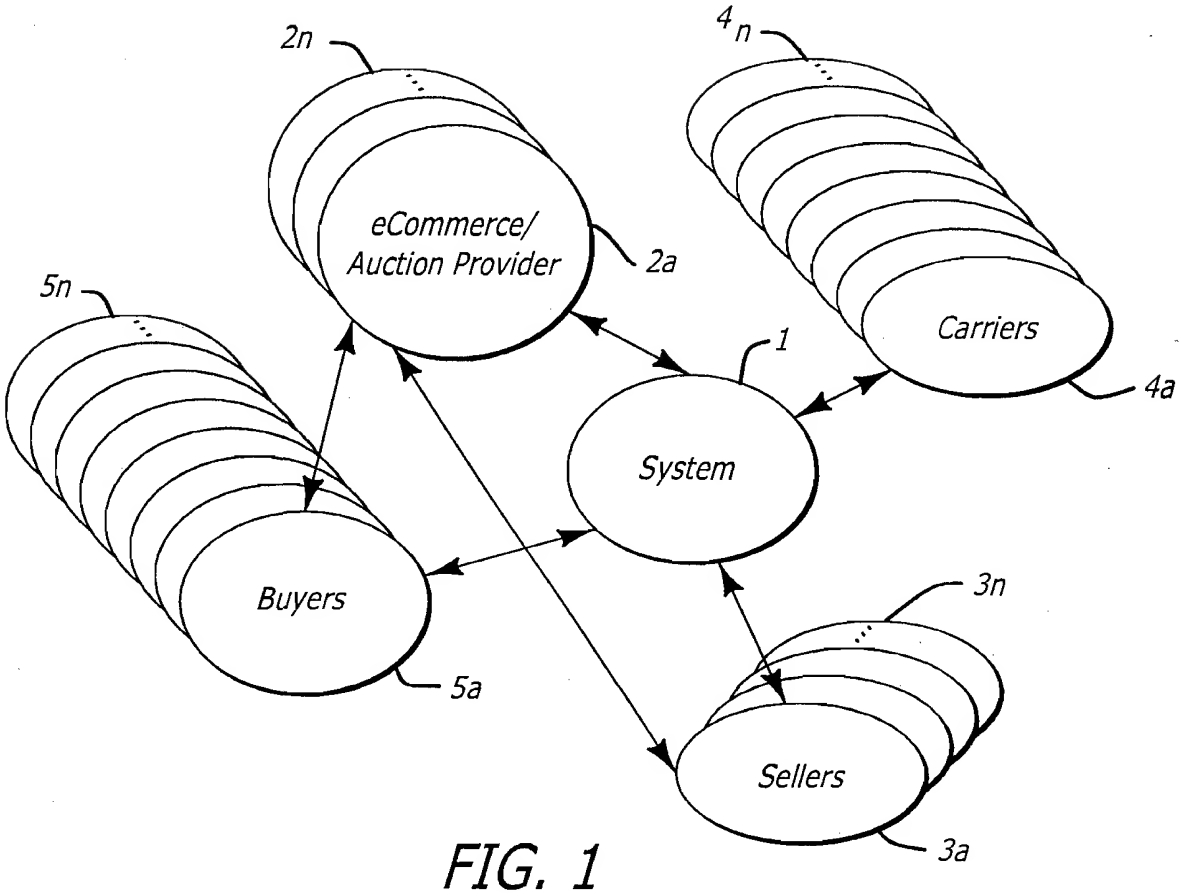

2n
eCommerce/
Auction Provider
2a
4n
Carriers
4a
5n
Buyers
5a
1
System
3n
Sellers
3a

FIG. 1

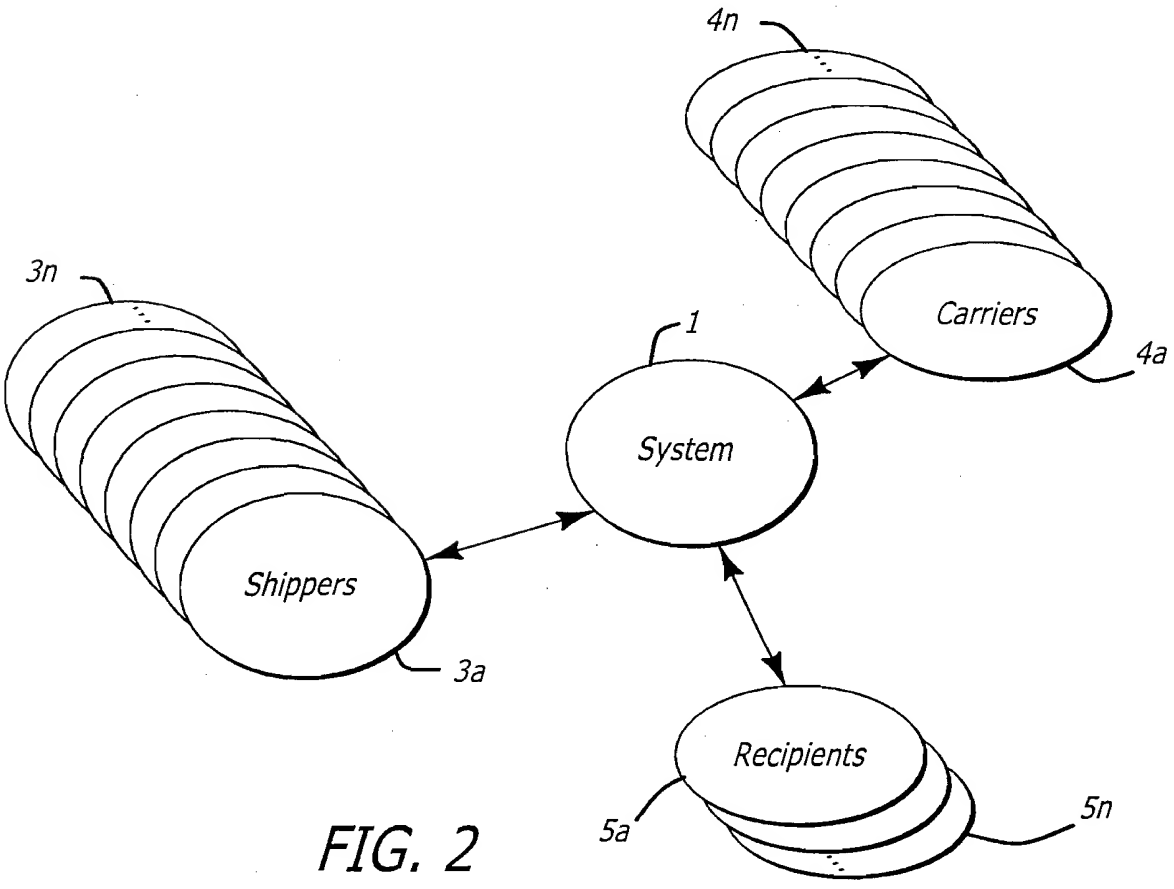
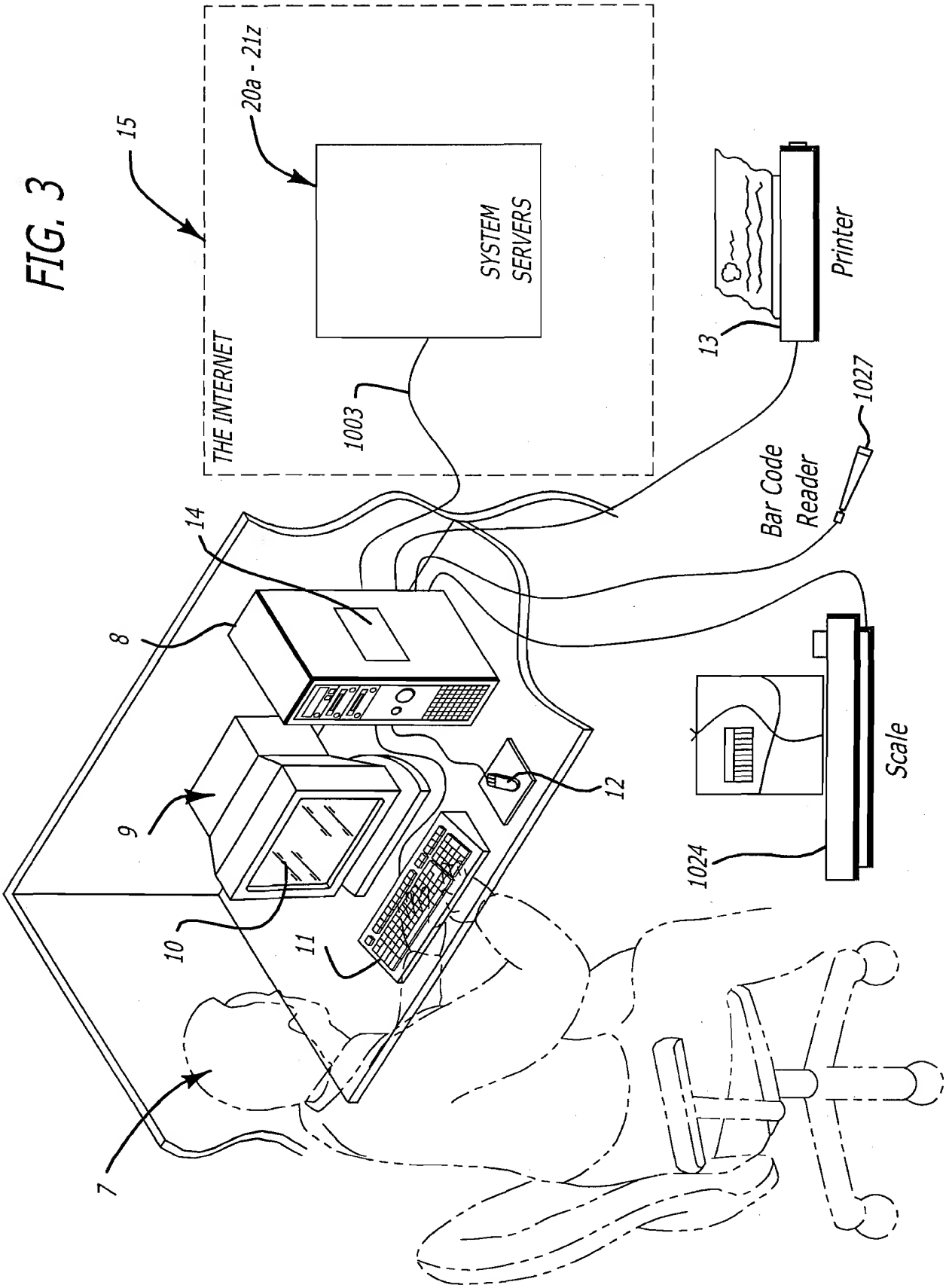

4n
Carriers
4a
3n
Shippers
3a
1
System
Recipients
5a
5n

FIG. 2

FIG. 3


15
20a - 21z
SYSTEM SERVERS
THE INTERNET
1003
13
Printer
1027
Bar Code Reader
14
8
9
10
11
12
1024
Scale
7

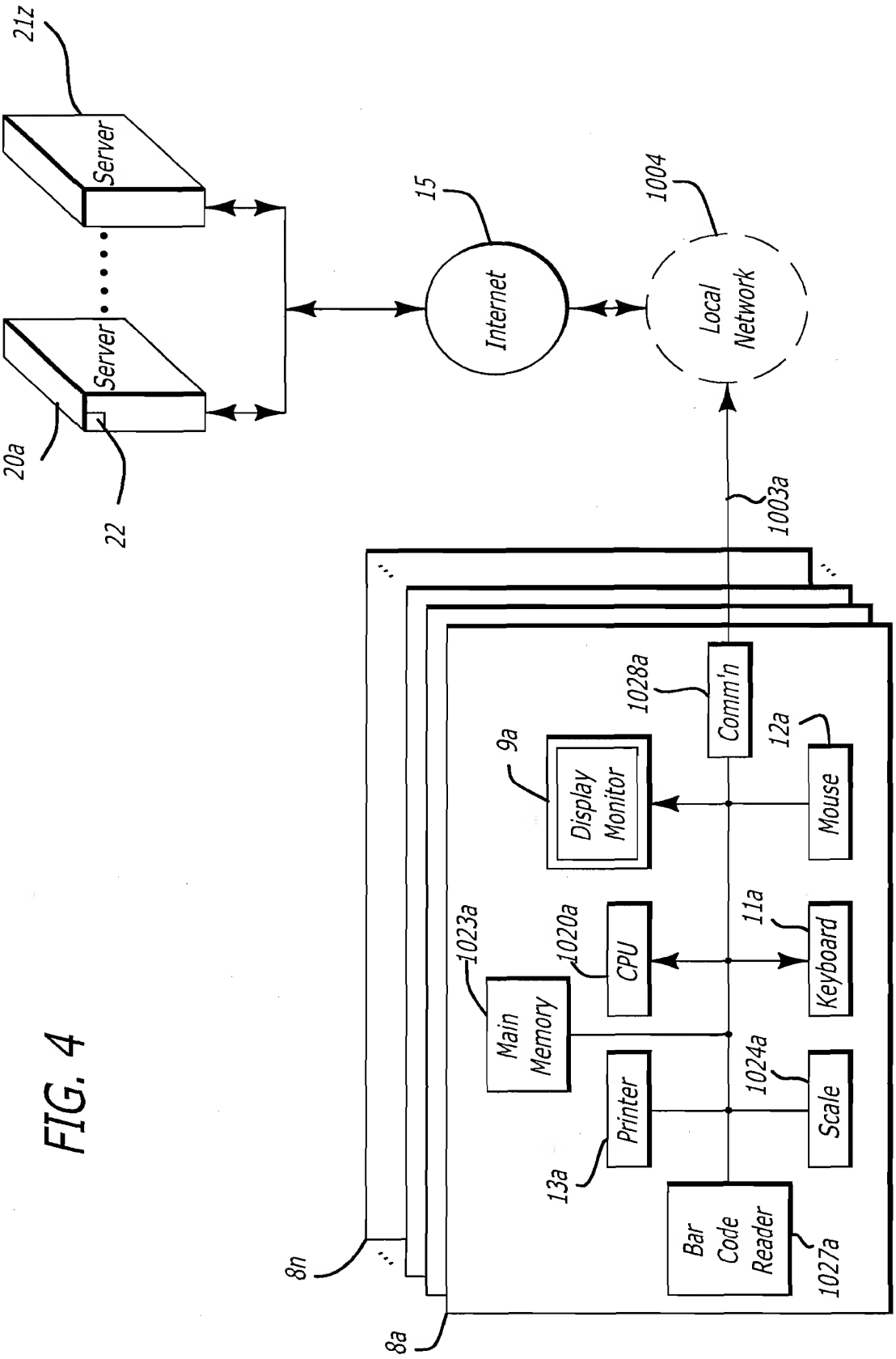

21z
Server
Server
20a
22
15
Internet
1004
Local Network
1003a
8n
8a
1028a
Comm'n
12a
Mouse
9a
Display Monitor
1023a
Main Memory
1020a
CPU
11a
Keyboard
13a
Printer
1024a
Scale
Bar Code Reader
1027a

FIG. 4

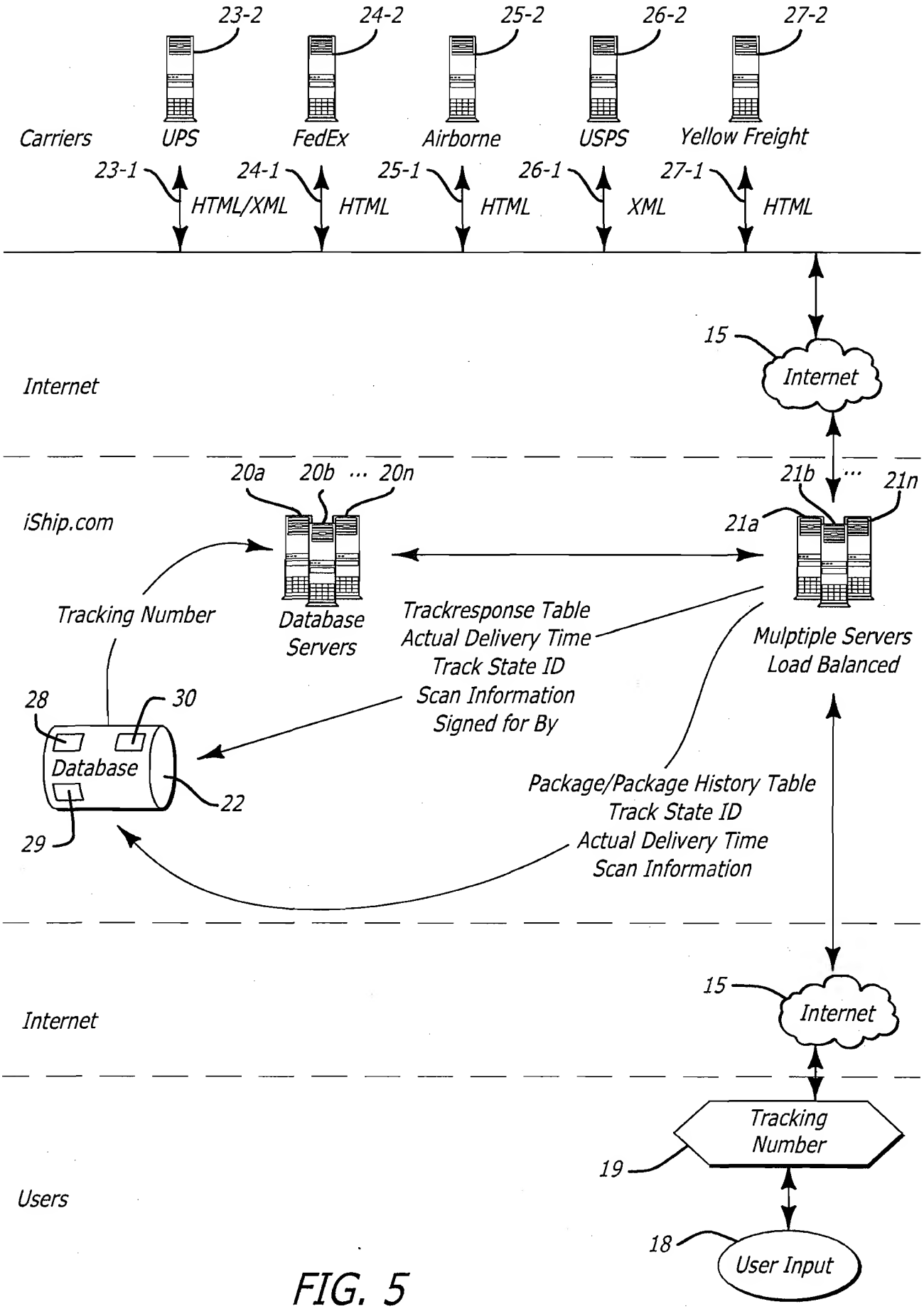

23-2
24-2
25-2
26-2
27-2
Carriers
UPS
FedEx
Airborne
USPS
Yellow Freight
23-1
24-1
25-1
26-1
27-1
HTML/XML
HTML
HTML
XML
HTML
15
Internet
Internet
20a
20b
20n
21b
21n
21a
iShip.com
Tracking Number
Database Servers
Trackresponse Table
Actual Delivery Time
Track State ID
Scan Information
Signed for By
Mulptiple Servers Load Balanced
28
30
Database
22
29
Package/Package History Table
Track State ID
Actual Delivery Time
Scan Information
15
Internet
Internet
Tracking Number
19
Users
18
User Input

FIG. 5

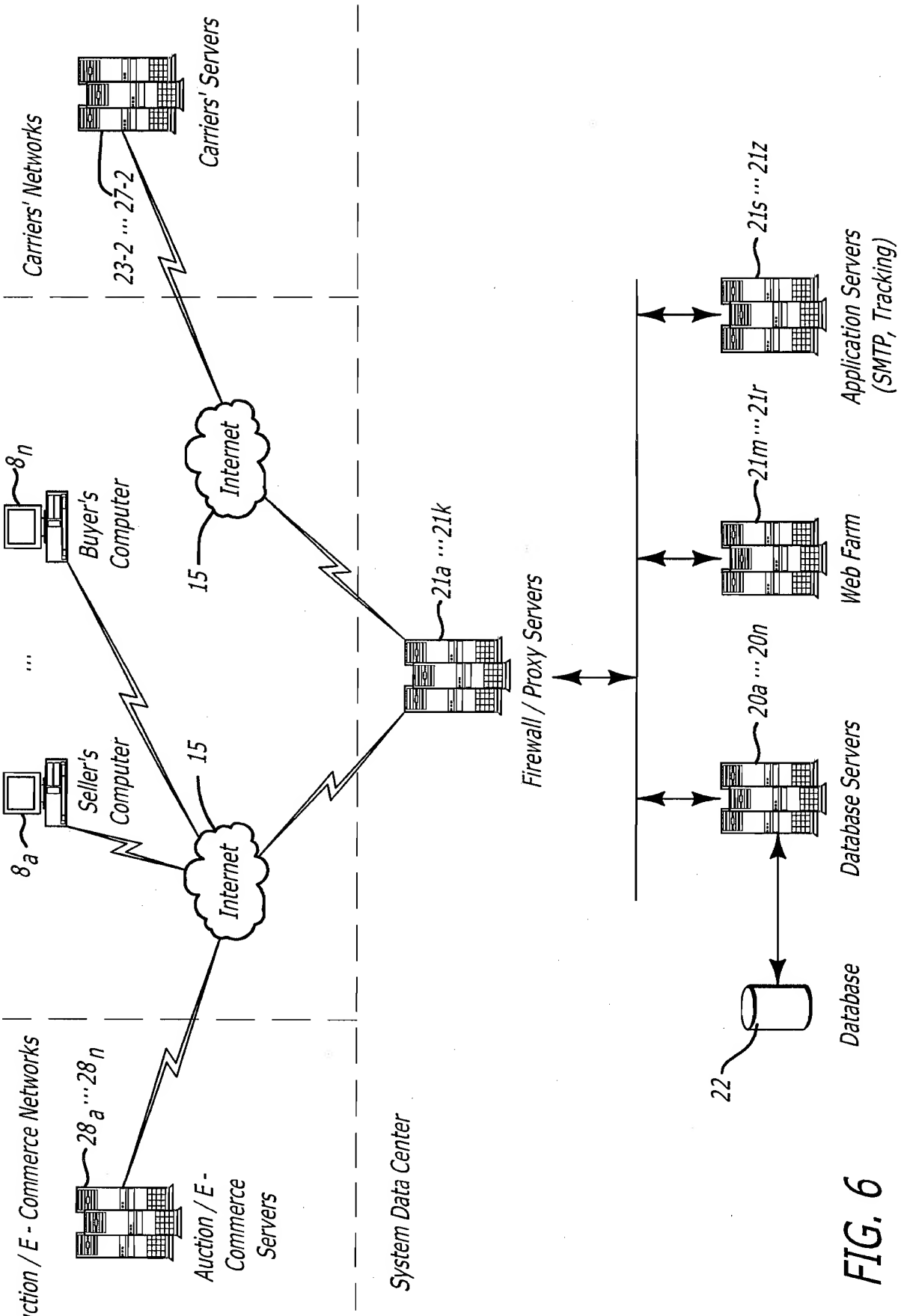

Auction / E - Commerce Networks
Carriers' Networks
Carriers' Servers
23-2 ··· 27-2
8n
Buyer's Computer
8a
Seller's Computer
15
Internet
15
Internet
28a ···28n
Auction / E-Commerce Servers
System Data Center
21a ···21k
Firewall / Proxy Servers
20a ···20n
Database Servers
21m ···21r
Web Farm
21s ···21z
Application Servers (SMTP, Tracking)
22
Database

FIG. 6

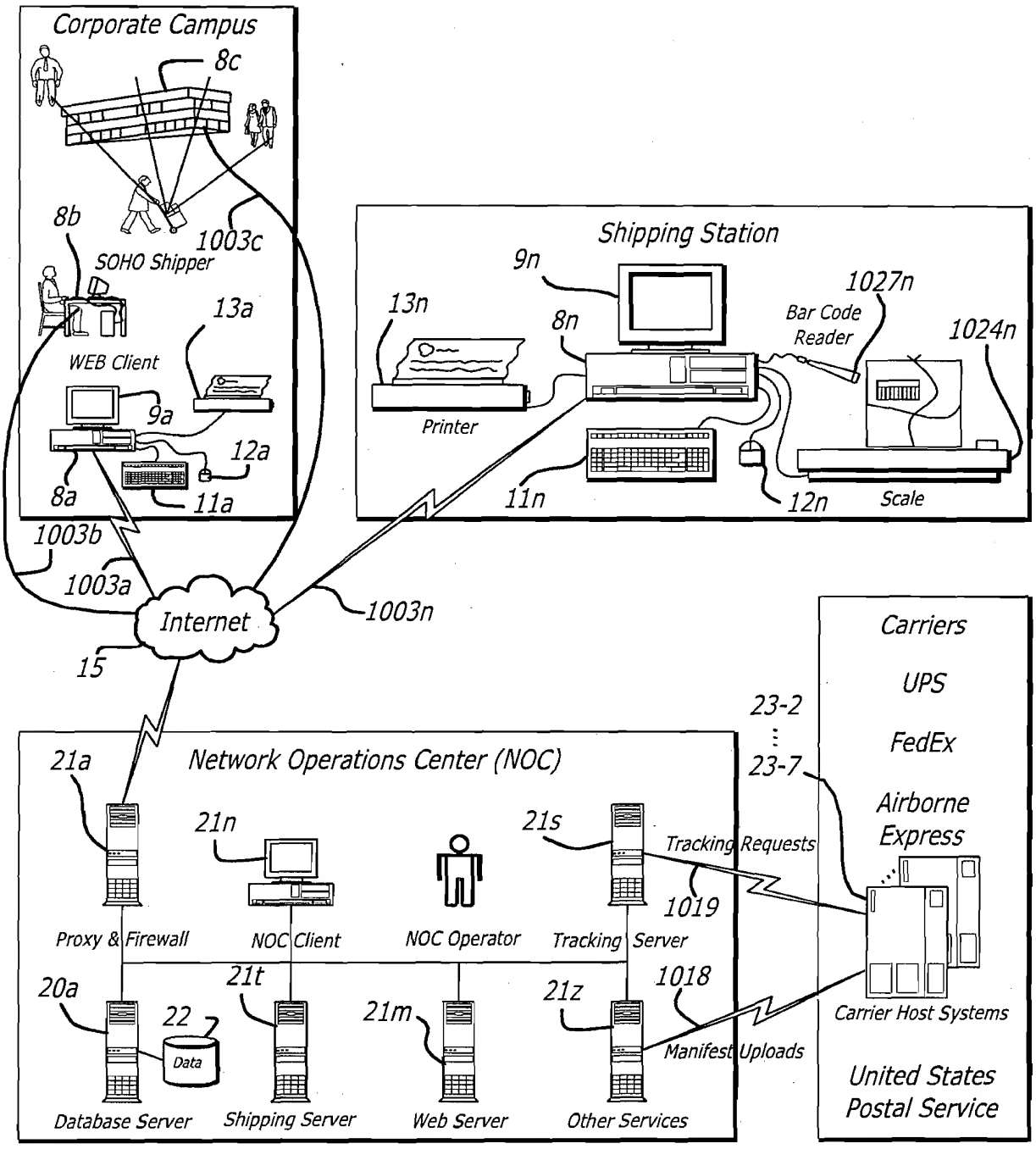

Corporate Campus
8c
8b
1003c
SOHO Shipper
13a
WEB Client
9a
12a
8a
11a
Shipping Station
9n
13n
8n
1027n
Bar Code Reader
1024n
Printer
11n
12n
Scale
1003b
1003a
Internet
1003n
15
Carriers
UPS
FedEx
Airborne Express
23-2
23-7
Network Operations Center (NOC)
21a
21n
21s
Tracking Requests
1019
Proxy & Firewall
NOC Client
NOC Operator
Tracking Server
20a
22
Data
21t
21m
21z
1018
Carrier Host Systems
Manifest Uploads
Database Server
Shipping Server
Web Server
Other Services
United States Postal Service

FIG. 7

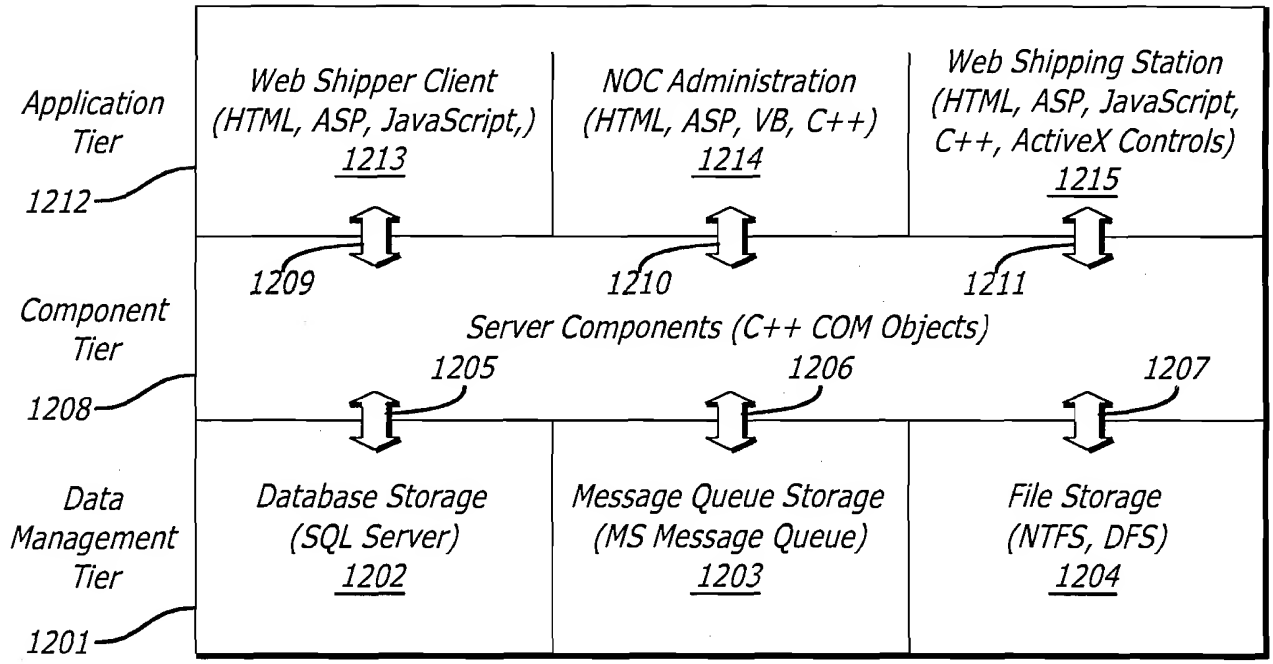

Application Tier
1212
Web Shipper Client (HTML, ASP, JavaScript,) 1213
NOC Administration (HTML, ASP, VB, C++) 1214
Web Shipping Station (HTML, ASP, JavaScript, C++, ActiveX Controls) 1215
1209
1210
1211
Component Tier
1208
Server Components (C++ COM Objects)
1205
1206
1207
Data Management Tier
1201
Database Storage (SQL Server) 1202
Message Queue Storage (MS Message Queue) 1203
File Storage (NTFS, DFS) 1204

FIG. 8

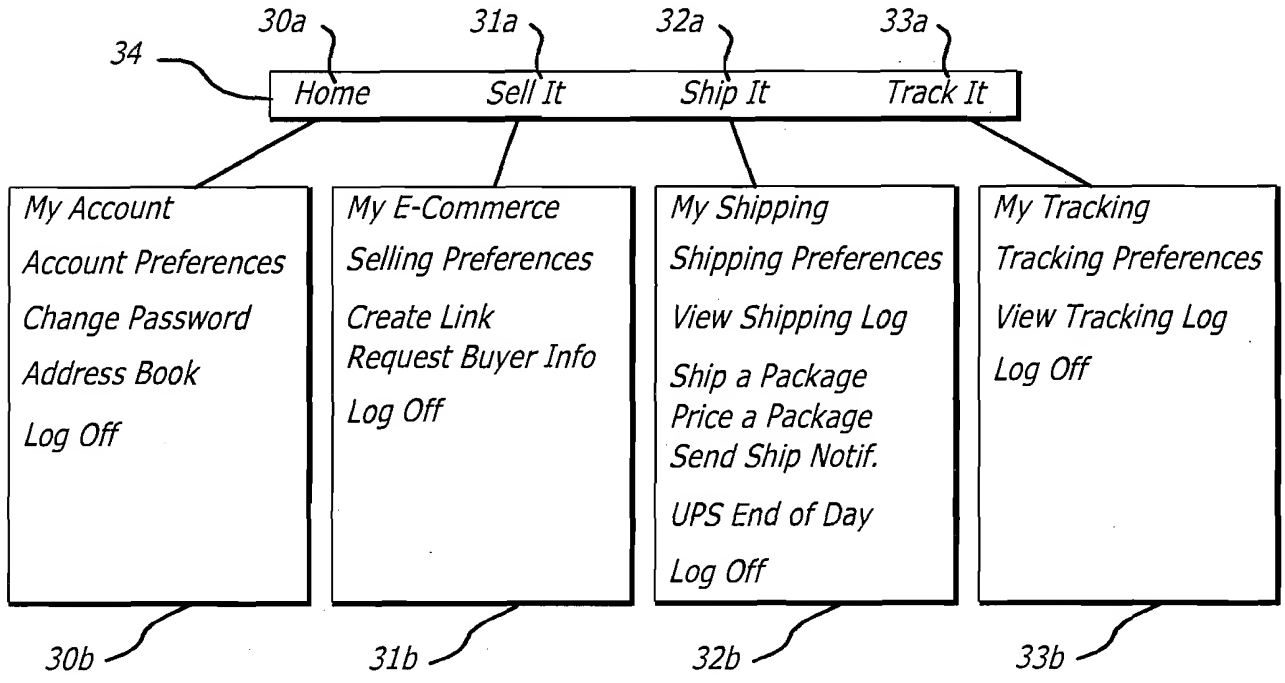

34
30a
31a
32a
33a
Home
Sell It
Ship It
Track It
My Account
Account Preferences
Change Password
Address Book
Log Off
My E-Commerce
Selling Preferences
Create Link
Request Buyer Info
Log Off
My Shipping
Shipping Preferences
View Shipping Log
Ship a Package
Price a Package
Send Ship Notif.
UPS End of Day
Log Off
My Tracking
Tracking Preferences
View Tracking Log
Log Off
30b
31b
32b
33b

FIG. 9

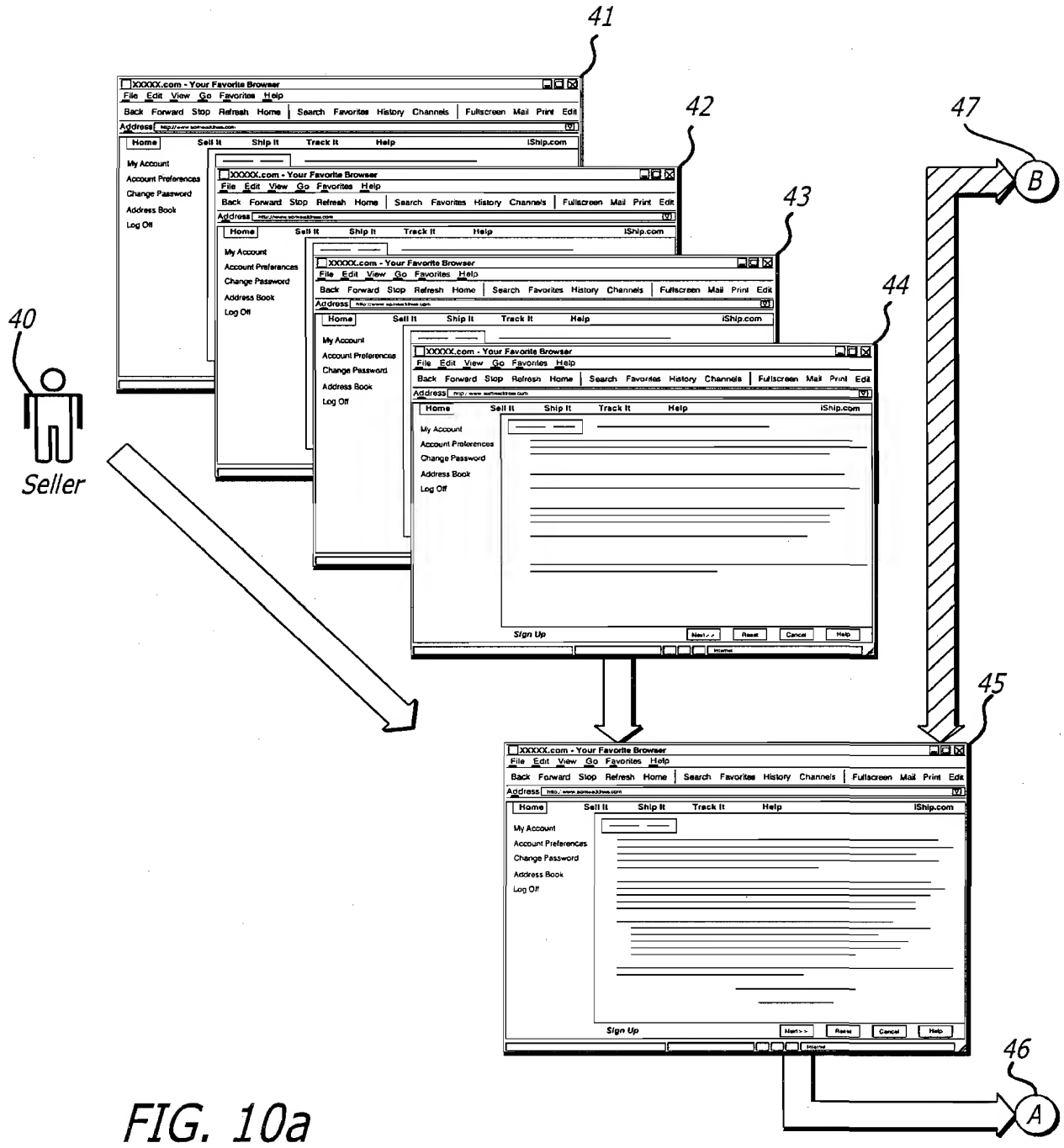

41
42
43
44
45
46
47
40
Seller
A
B
XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit
Address
Home Sell It Ship It Track It Help iShip.com
My Account
Account Preferences
Change Password
Address Book
Log Off
Sign Up
Next >
Reset
Cancel
Help

FIG. 10a

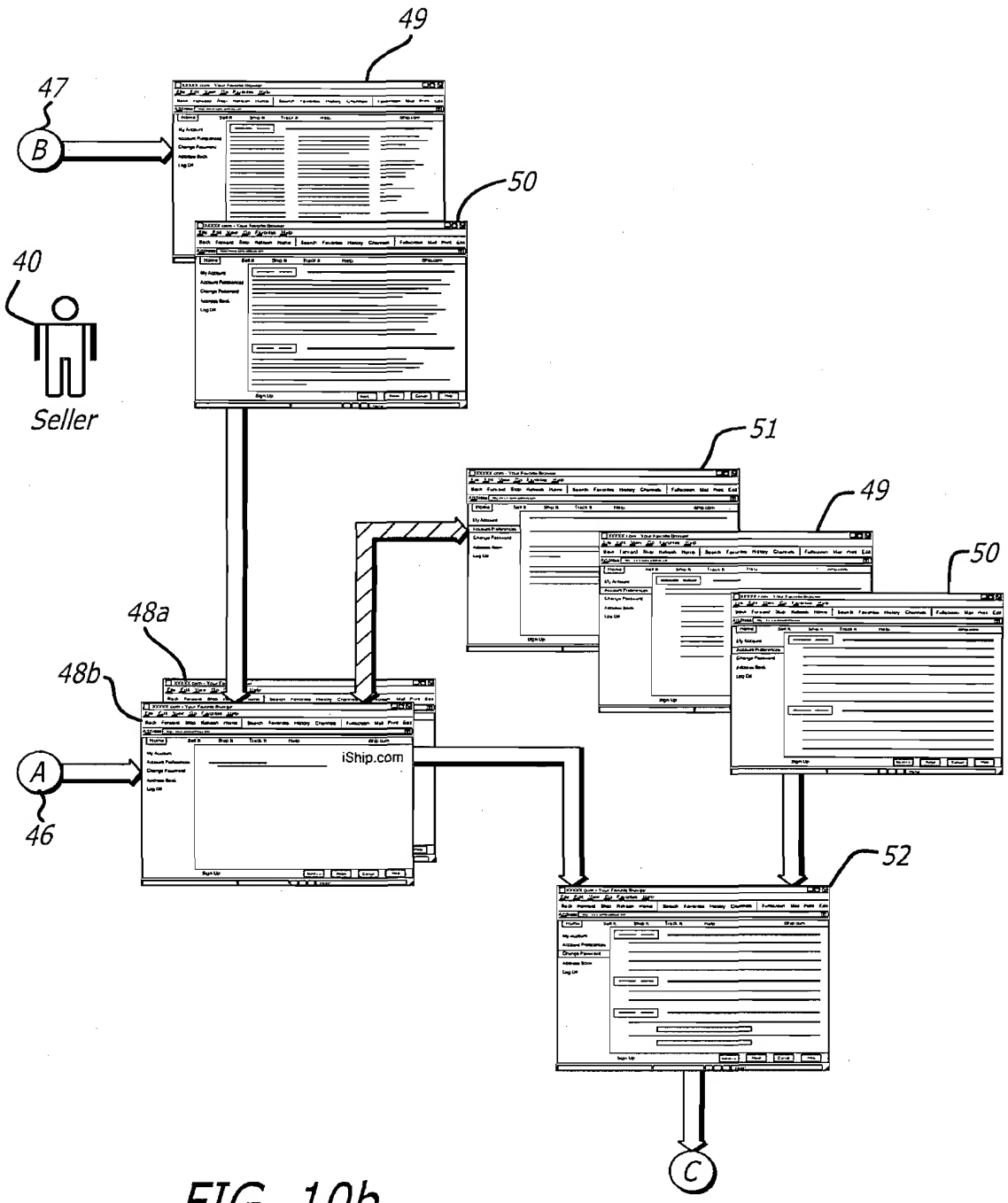



FIG. 10b

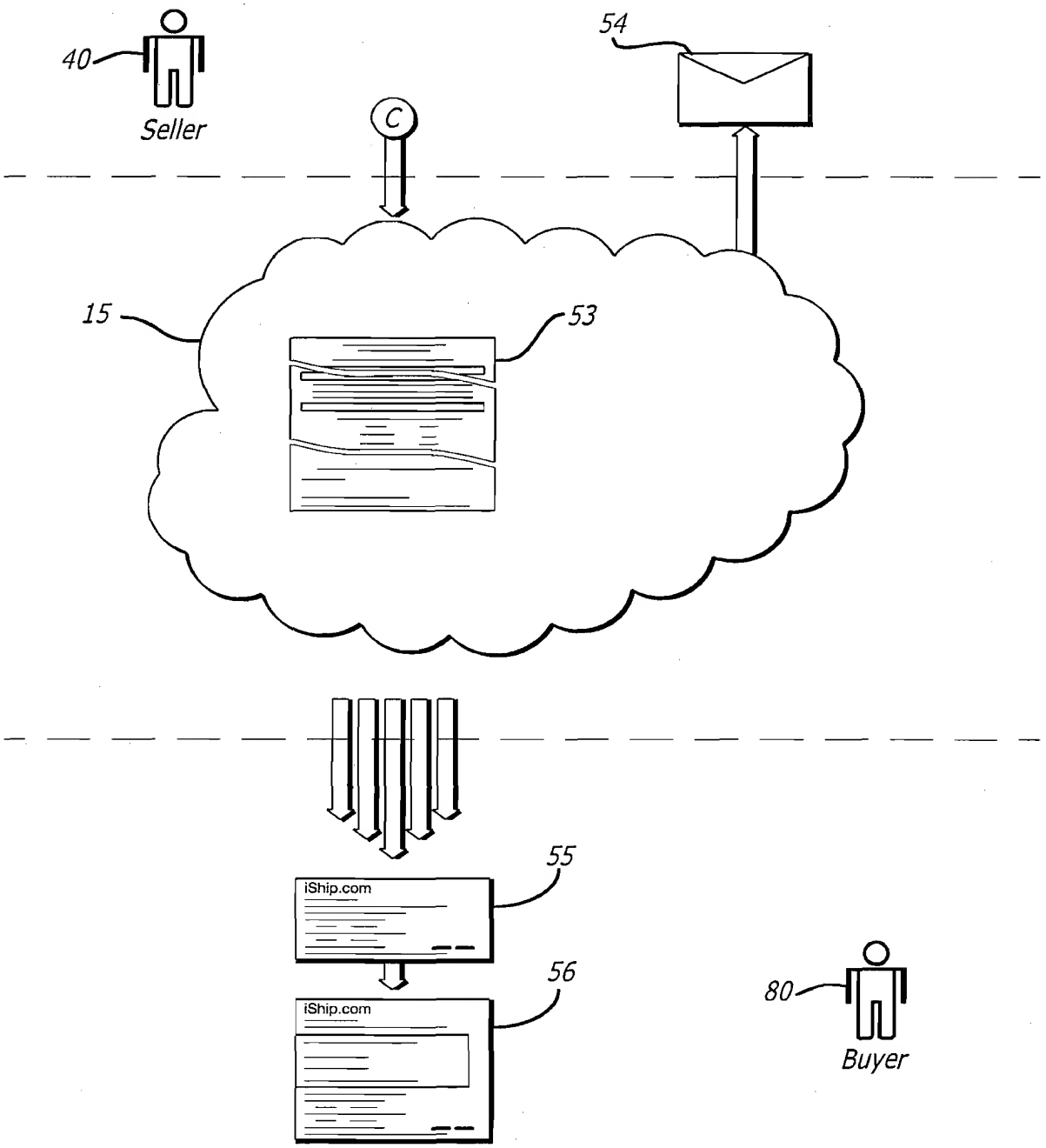



FIG. 10c

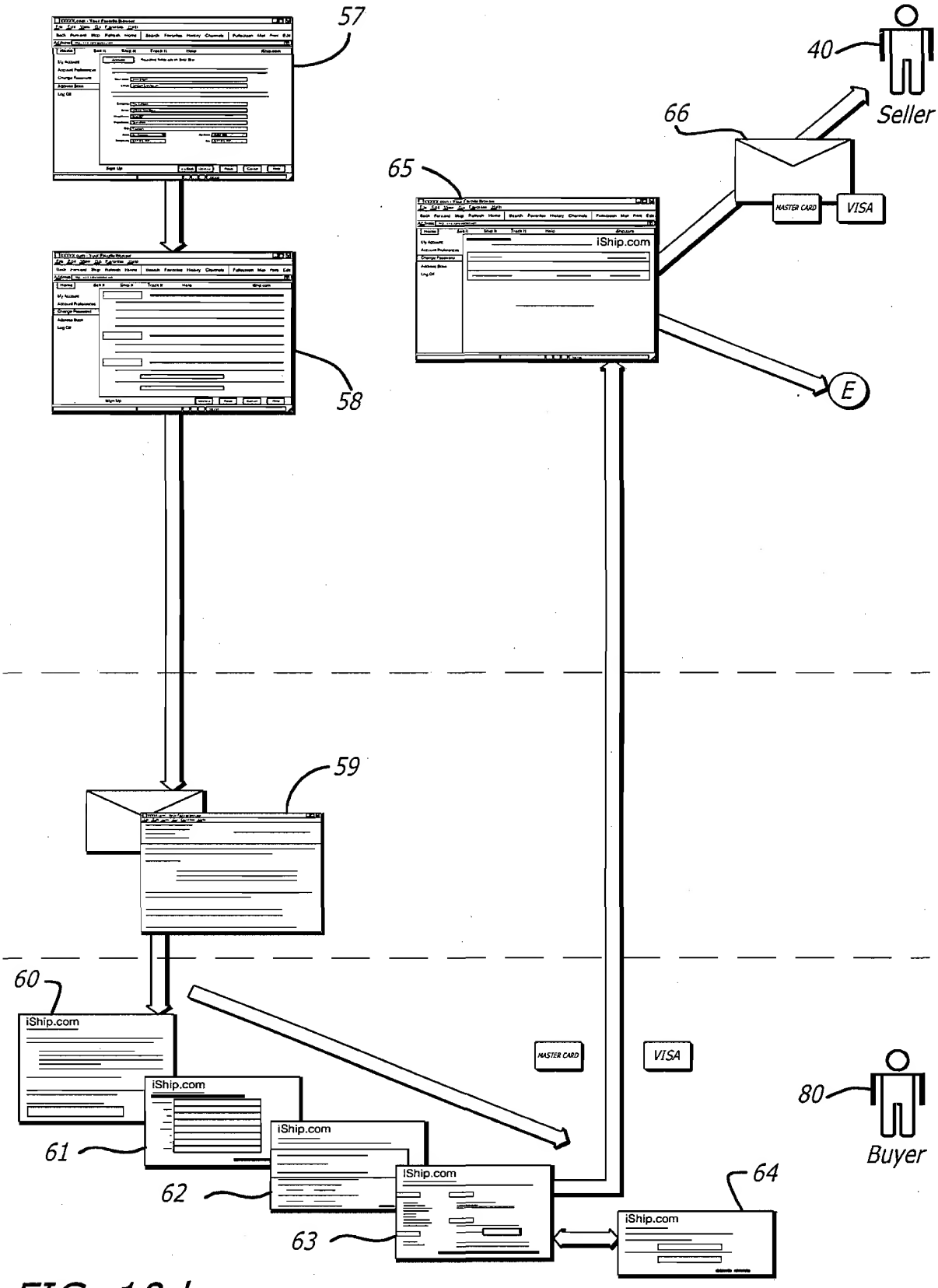
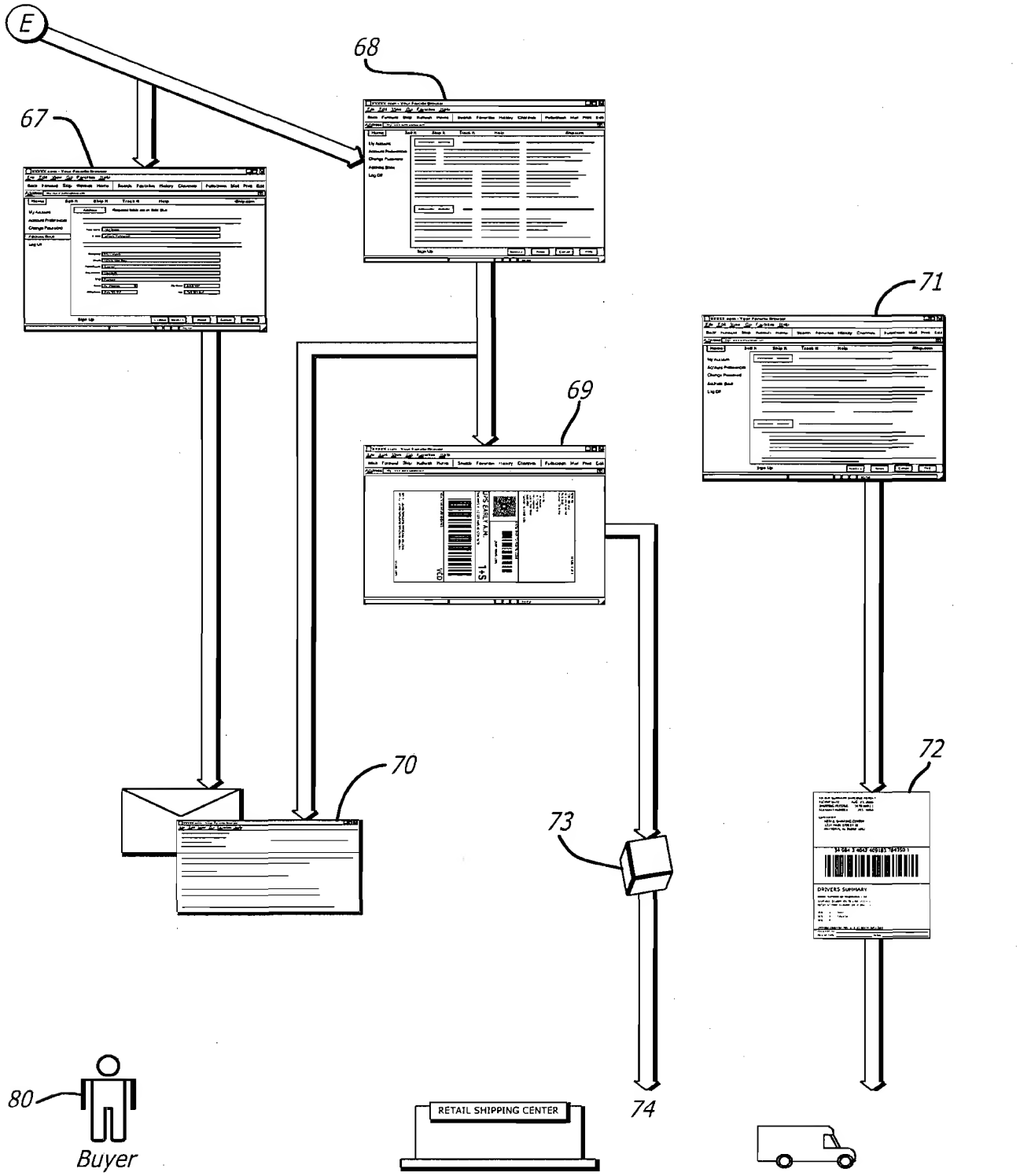

57
40
Seller
66
65
MASTER CARD
VISA
iShip.com
58
E
59
60
iShip.com
iShip.com
iShip.com
iShip.com
iShip.com
61
62
63
64
MASTER CARD
VISA
80
Buyer

FIG. 10d

FIG. 10e



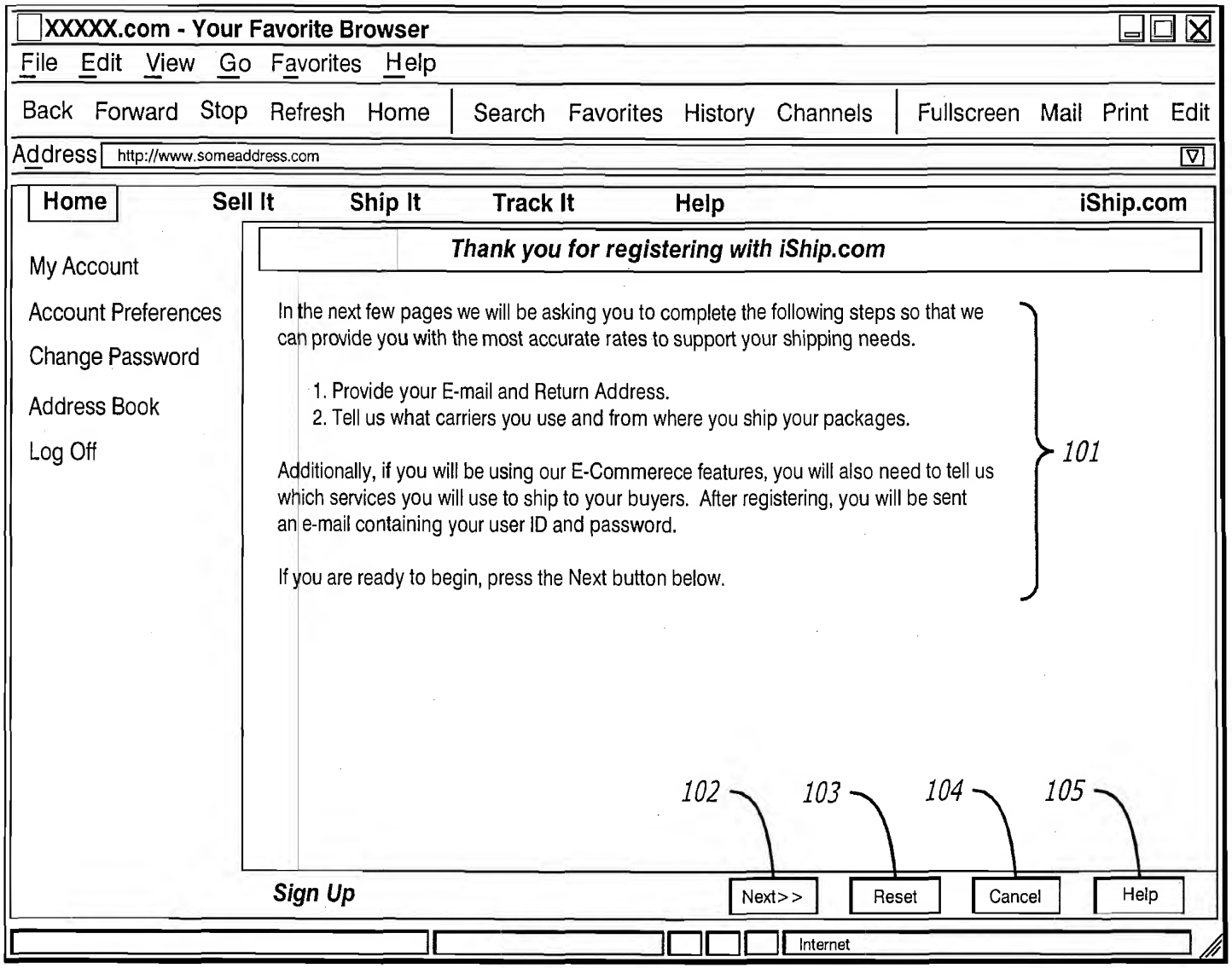



FIG. 11

REPLACEMENT SHEET

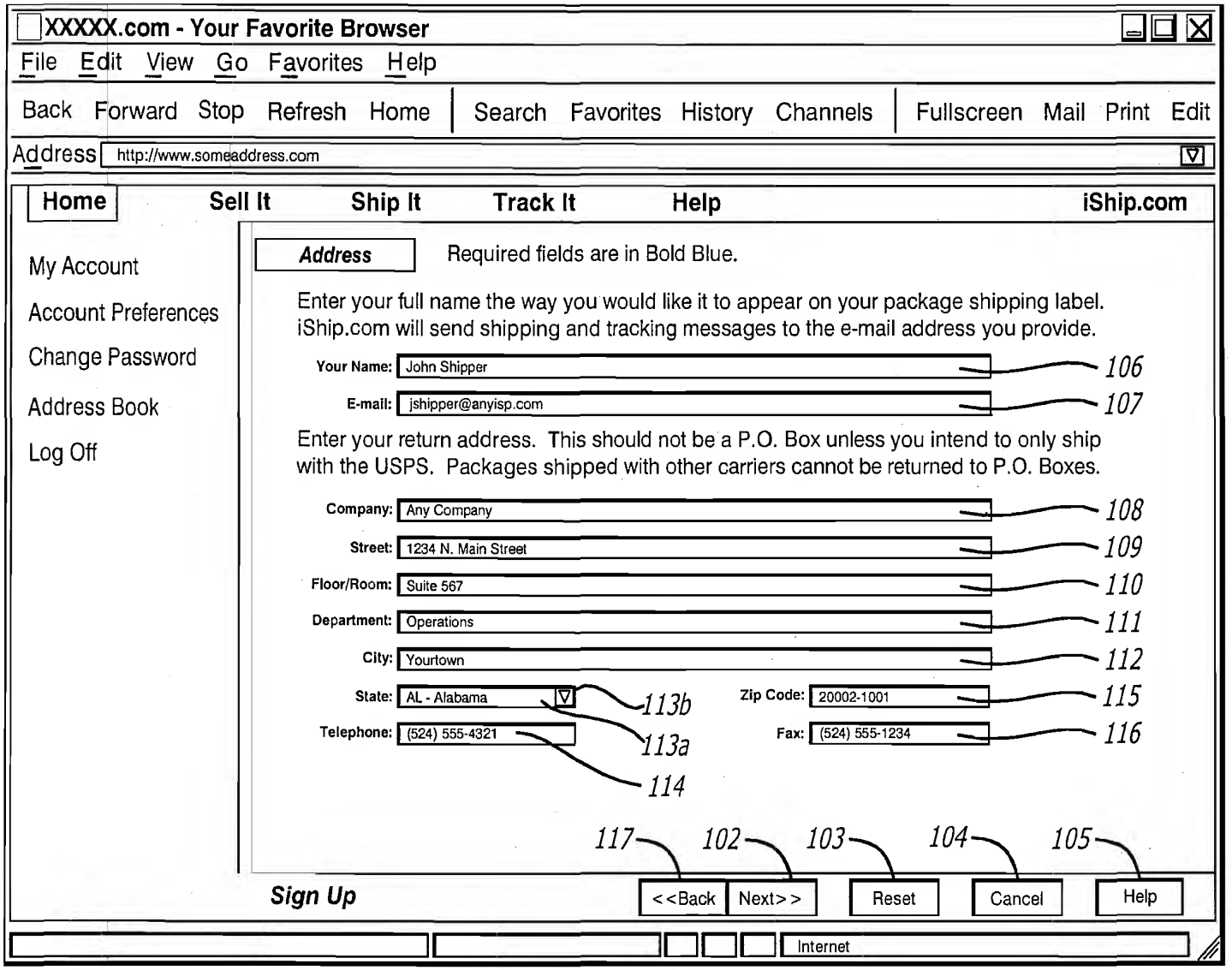



FIG. 12

REPLACEMENT SHEET

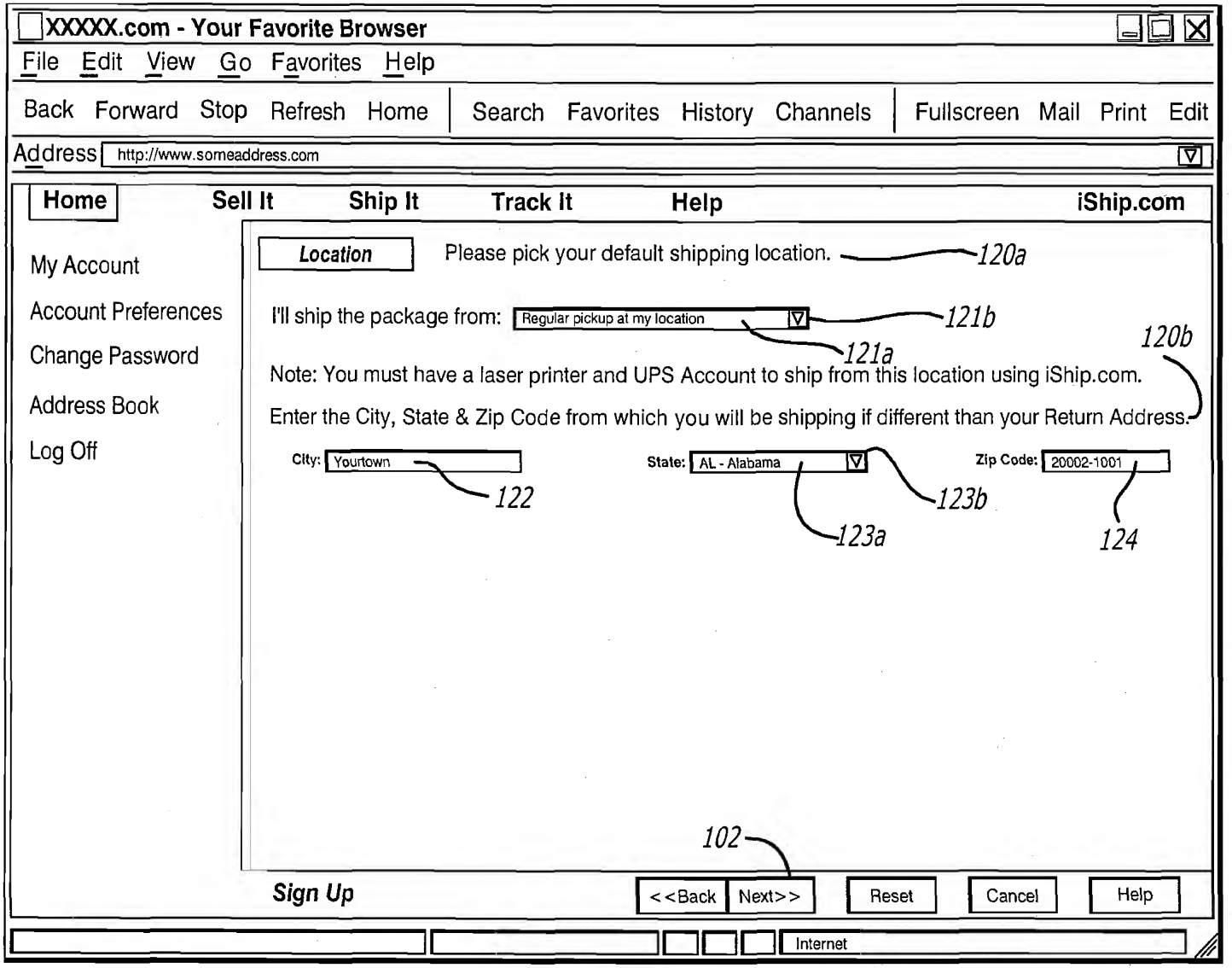



FIG. 13

REPLACEMENT SHEET

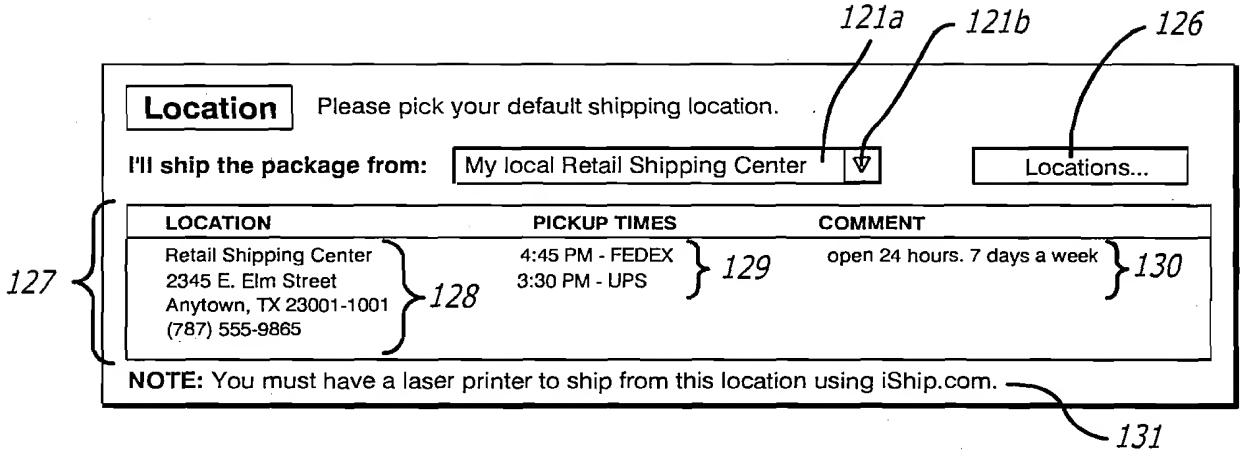

121a
121b
126
Location
Please pick your default shipping location.
I'll ship the package from:
My local Retail Shipping Center
Locations...
LOCATION
PICKUP TIMES
COMMENT
Retail Shipping Center
2345 E. Elm Street
Anytown, TX 23001-1001
(787) 555-9865
4:45 PM - FEDEX
3:30 PM - UPS
open 24 hours. 7 days a week
127
128
129
130
NOTE: You must have a laser printer to ship from this location using iShip.com.
131

FIG. 14

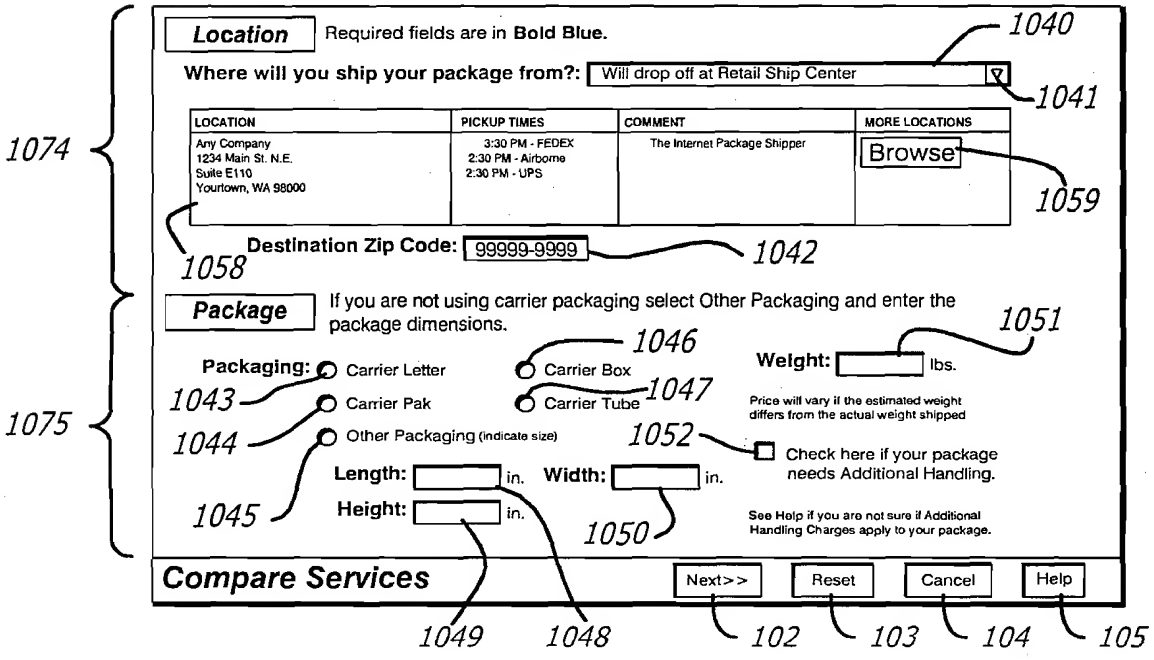

Location
Required fields are in Bold Blue.
1040
Where will you ship your package from?:
Will drop off at Retail Ship Center
1041
LOCATION
PICKUP TIMES
COMMENT
MORE LOCATIONS
Any Company
1234 Main St. N.E.
Suite E110
Yourtown, WA 98000
3:30 PM - FEDEX
2:30 PM - Airborne
2:30 PM - UPS
The Internet Package Shipper
Browse
1059
1074
1058
Destination Zip Code:
99999-9999
1042
Package
If you are not using carrier packaging select Other Packaging and enter the package dimensions.
1051
1046
Packaging:
Carrier Letter
Carrier Box
Weight:
lbs.
1043
Carrier Pak
Carrier Tube
1047
Price will vary if the estimated weight differs from the actual weight shipped
1075
1044
Other Packaging (indicate size)
1052
Check here if your package needs Additional Handling.
Length:
in.
Width:
in.
1045
Height:
in.
1050
See Help if you are not sure if Additional Handling Charges apply to your package.
Compare Services
Next>>
Reset
Cancel
Help
1049
1048
102
103
104
105

FIG. 15

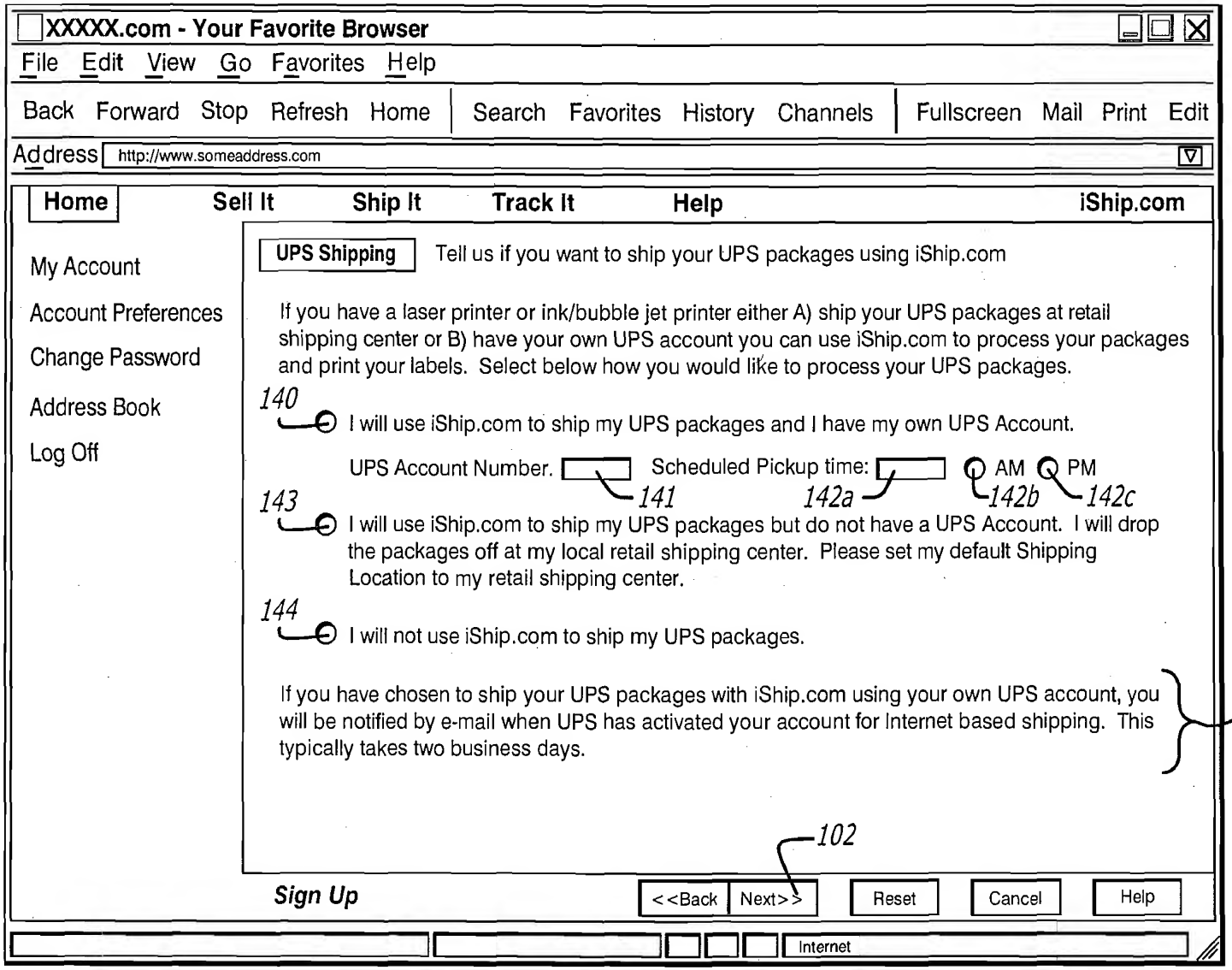



FIG. 16

REPLACEMENT SHEET

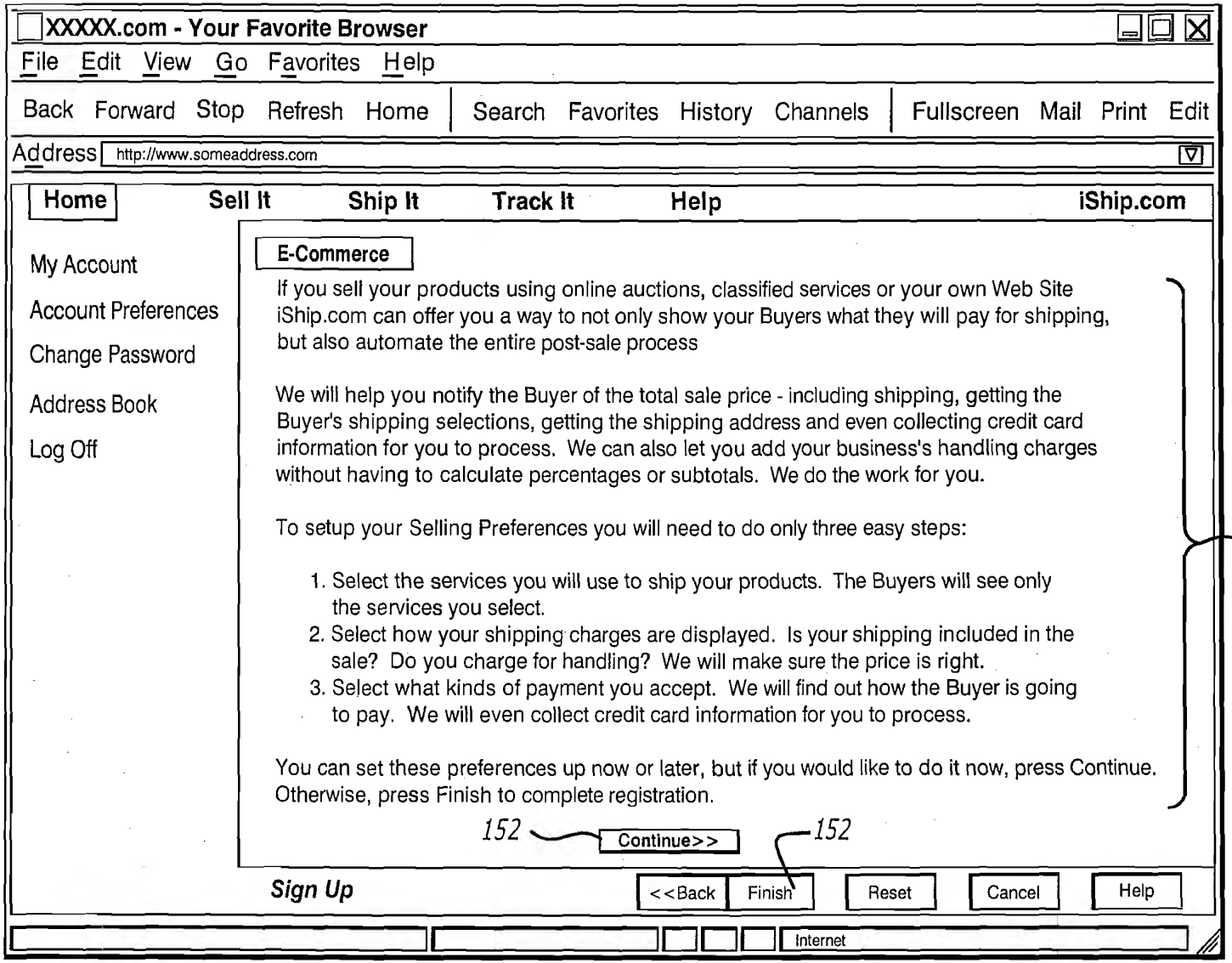



FIG. 17

REPLACEMENT SHEET

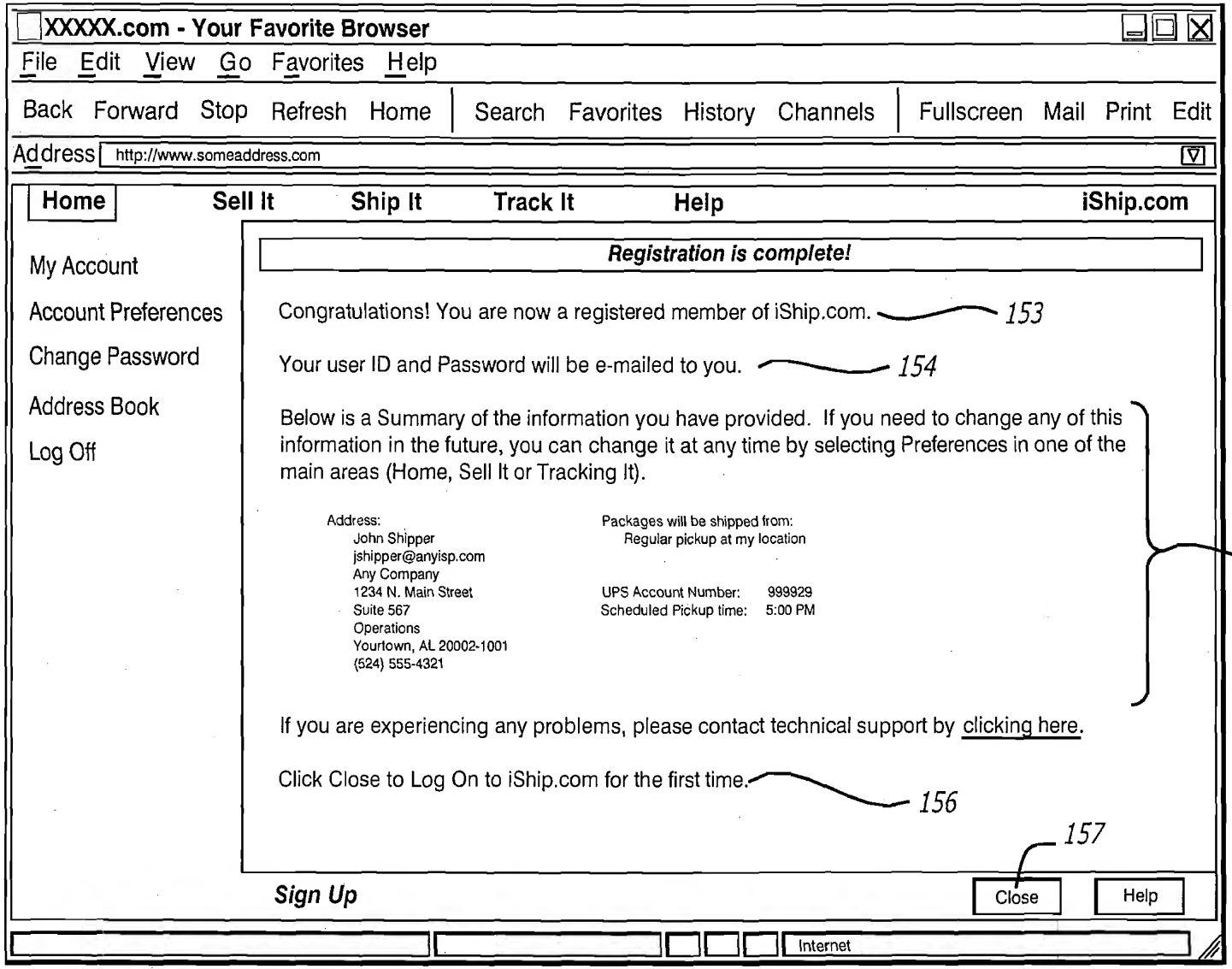



FIG. 18

REPLACEMENT SHEET

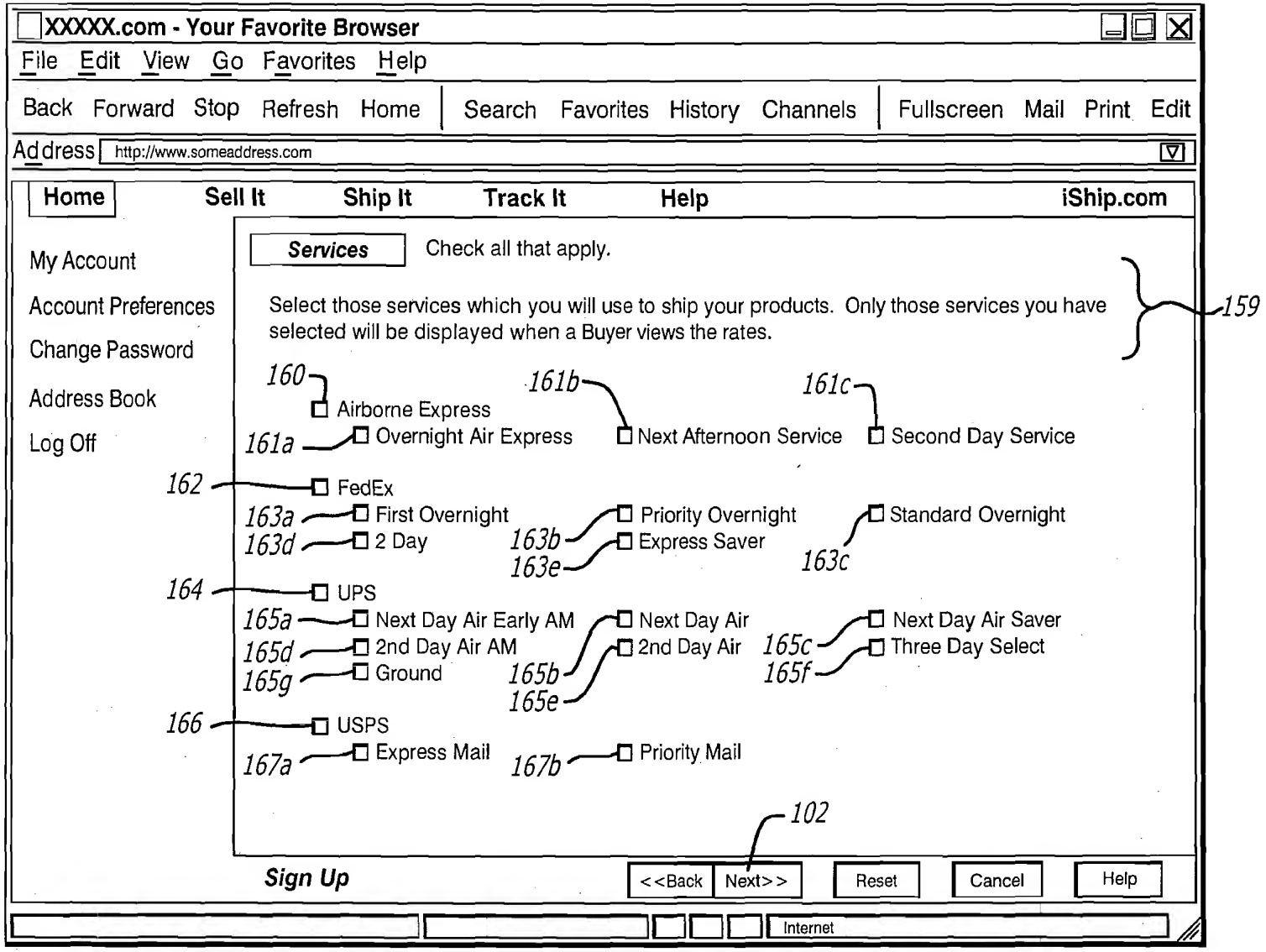



FIG. 19

REPLACEMENT SHEET

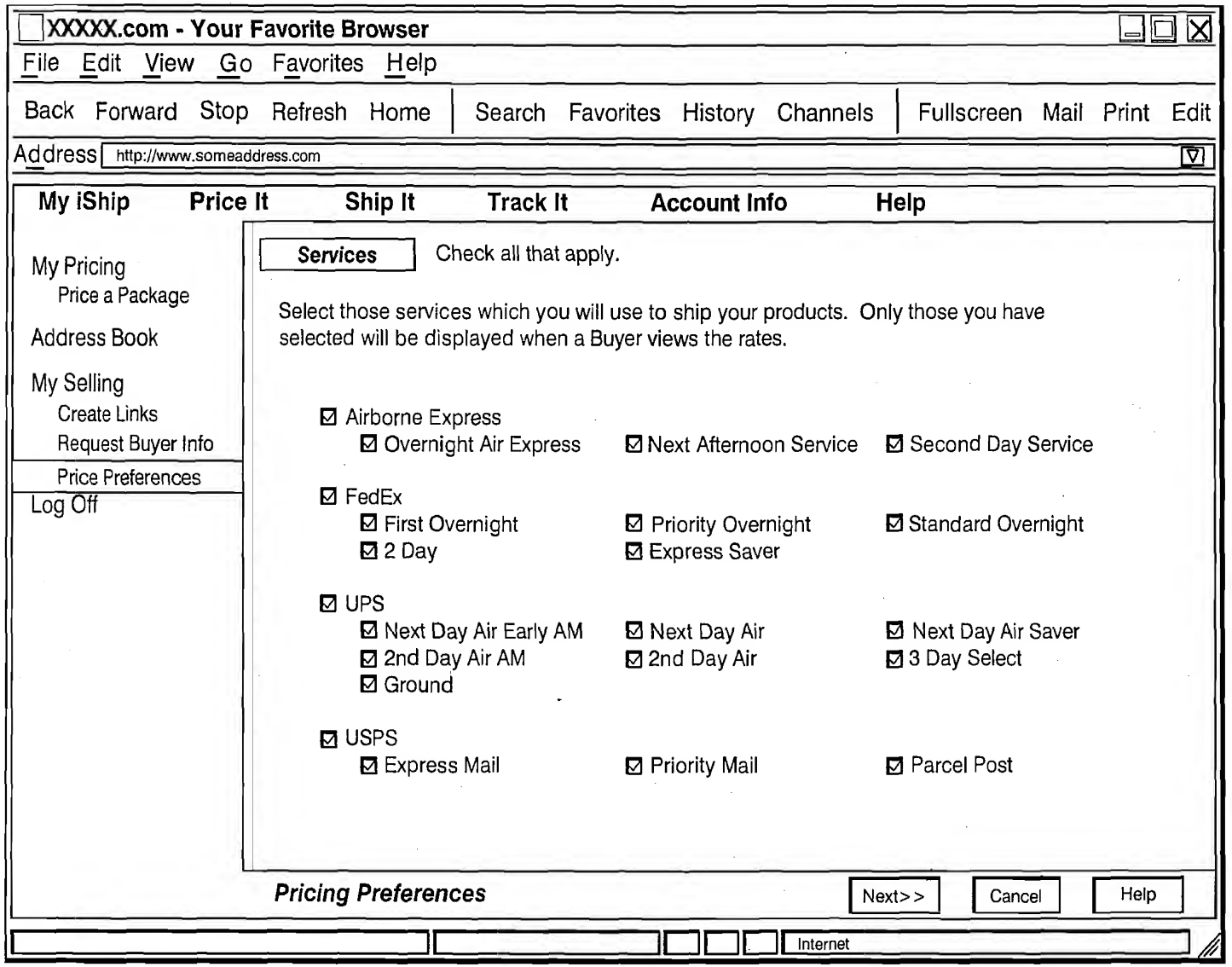



FIG. 20

REPLACEMENT SHEET

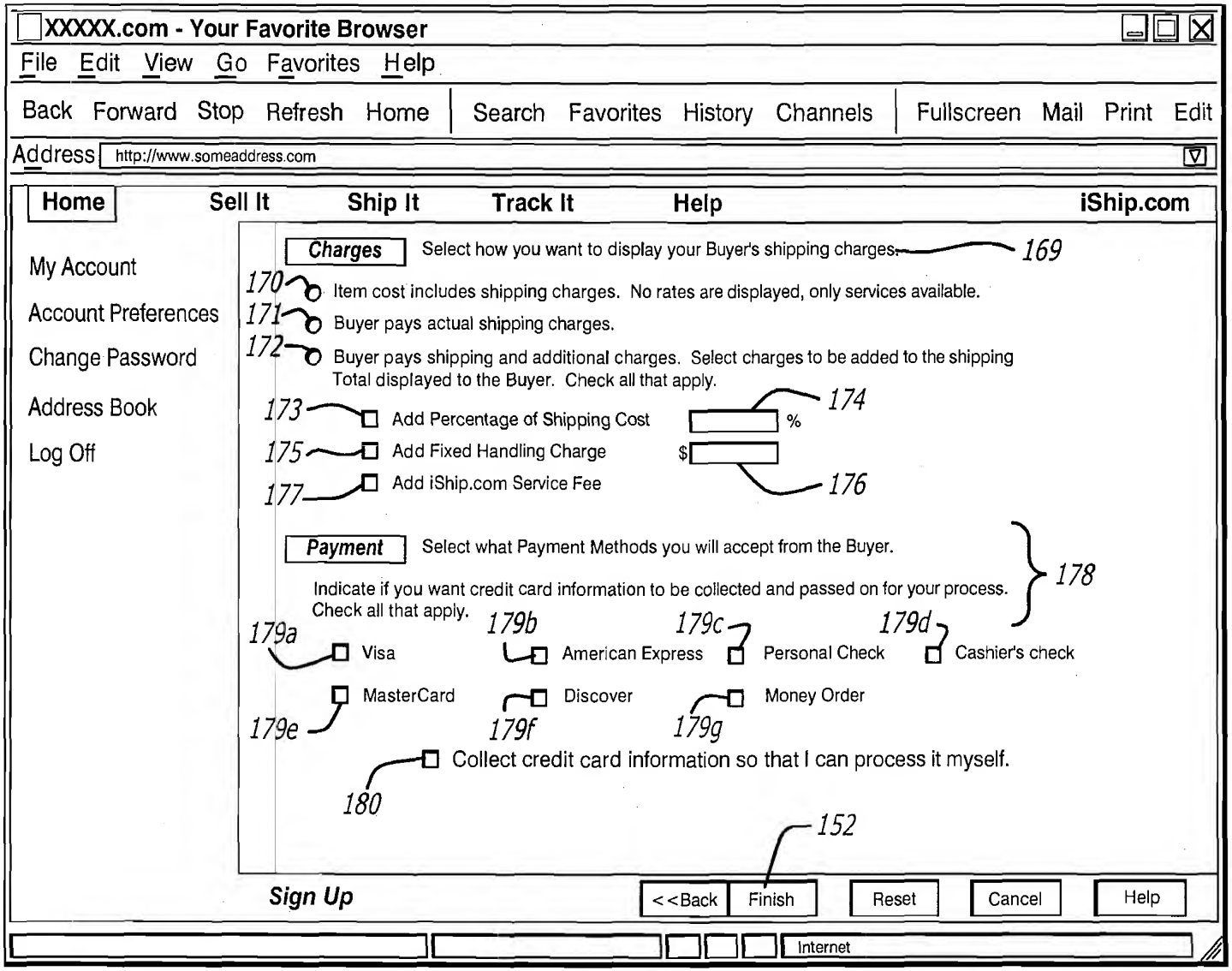



FIG. 21

REPLACEMENT SHEET

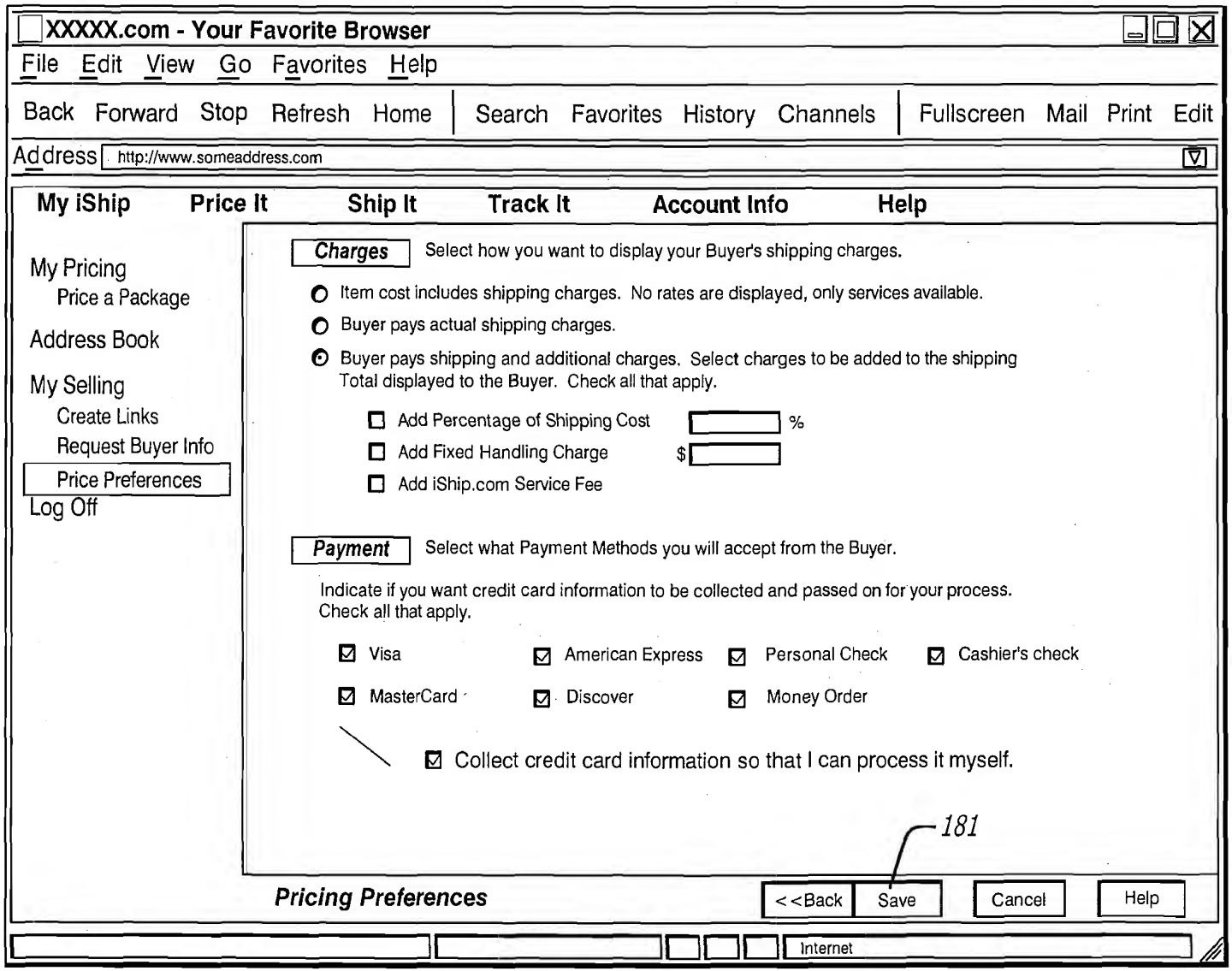



FIG. 22

REPLACEMENT SHEET

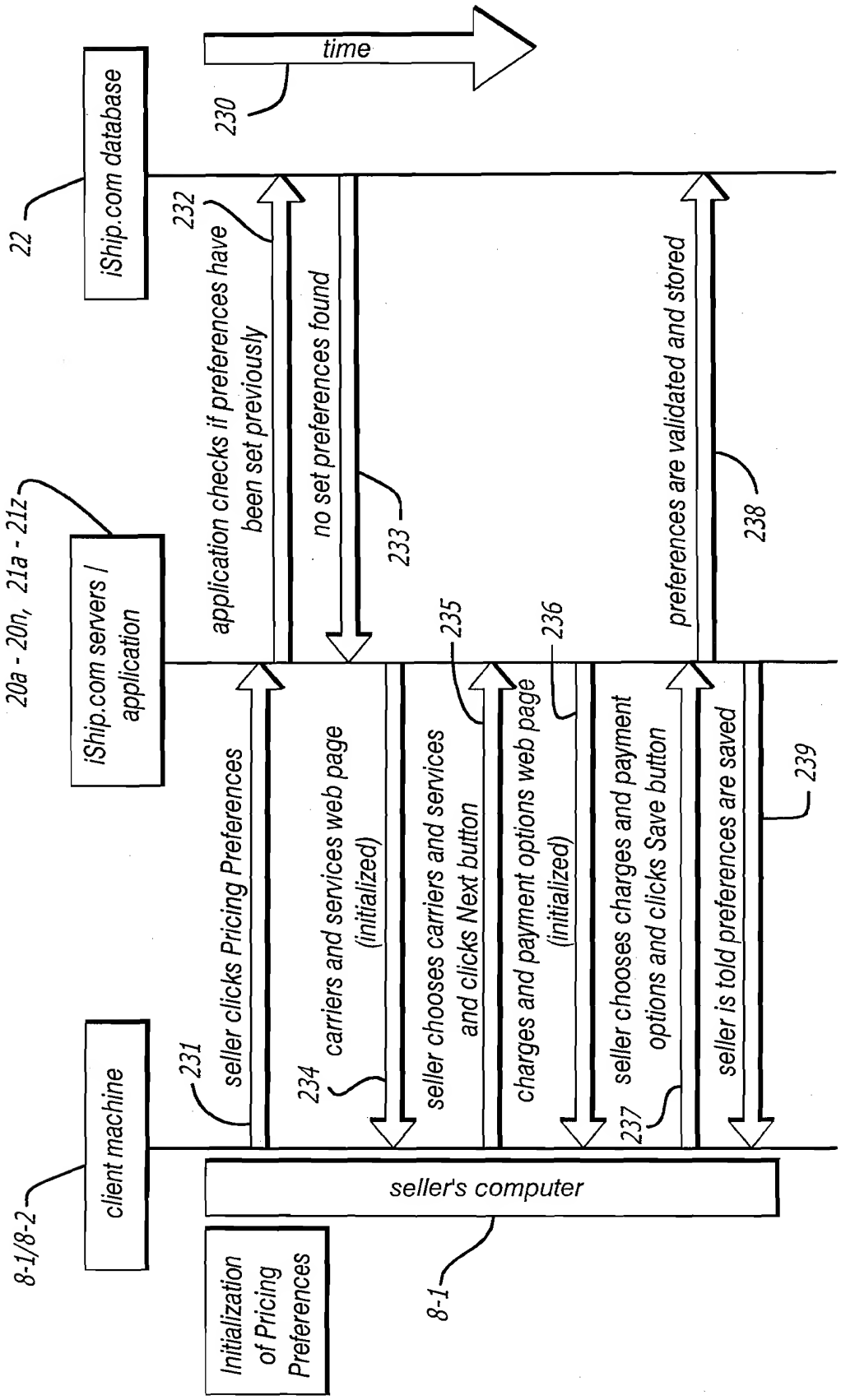

time
230
22
iShip.com database
232
application checks if preferences have been set previously
no set preferences found
233
preferences are validated and stored
238
20a - 20n, 21a - 21z
iShip.com servers / application
235
236
231
seller clicks Pricing Preferences
234
carriers and services web page (initialized)
seller chooses carriers and services and clicks Next button
charges and payment options web page (initialized)
seller chooses charges and payment options and clicks Save button
237
seller is told preferences are saved
239
8-1/8-2
client machine
seller's computer
8-1
Initialization of Pricing Preferences

FIG. 23

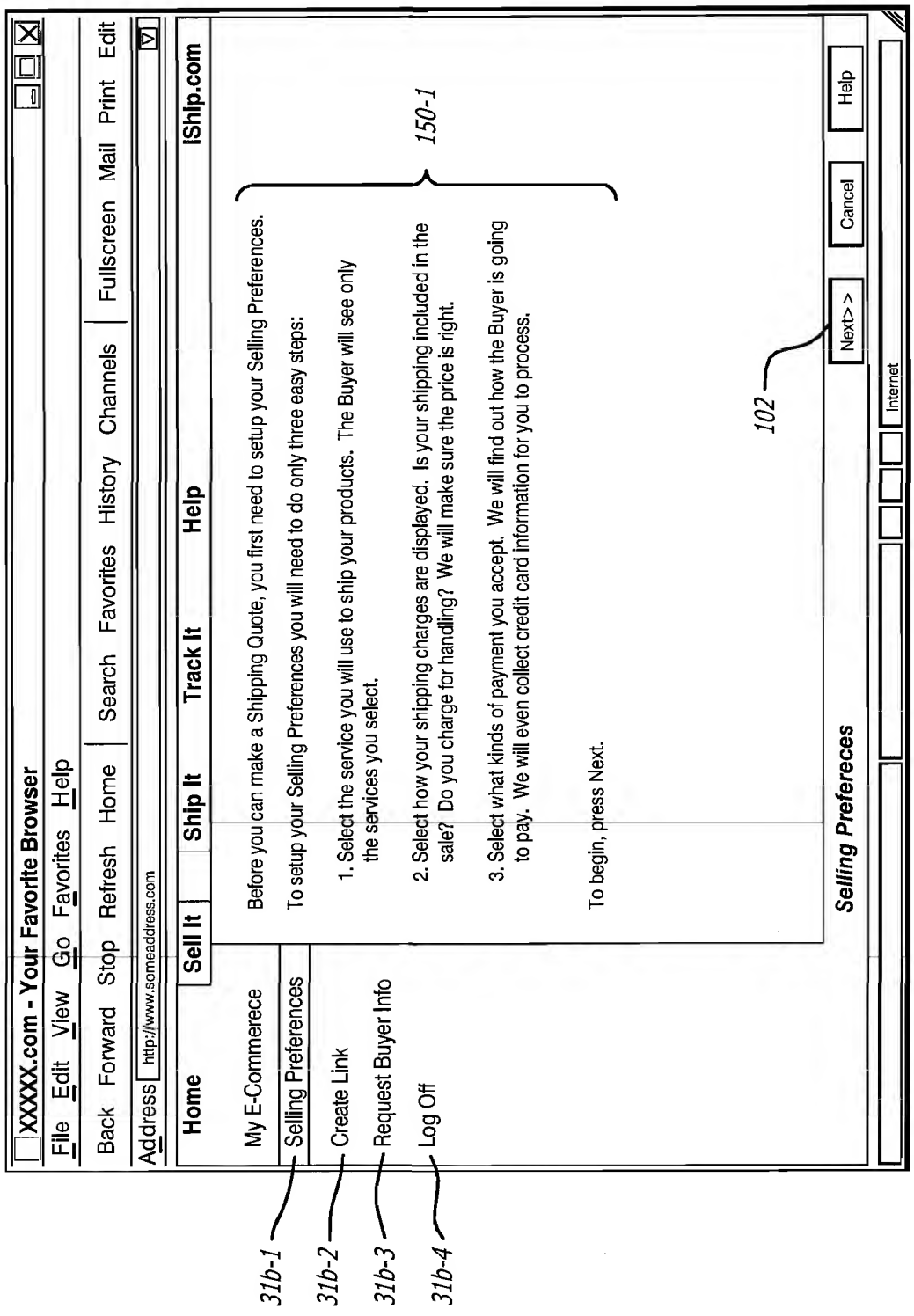

XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
IShip.com
My E-Commerece
Selling Preferences
Create Link
Request Buyer Info
Log Off
Before you can make a Shipping Quote, you first need to setup your Selling Preferences.
To setup your Selling Preferences you will need to do only three easy steps:
1. Select the service you will use to ship your products. The Buyer will see only the services you select.
2. Select how your shipping charges are displayed. Is your shipping included in the sale? Do you charge for handling? We will make sure the price is right.
3. Select what kinds of payment you accept. We will find out how the Buyer is going to pay. We will even collect credit card information for you to process.
To begin, press Next.
Selling Prefereces
Next>>
Cancel
Help
Internet
31b-1
31b-2
31b-3
31b-4
150-1
102

FIG. 24

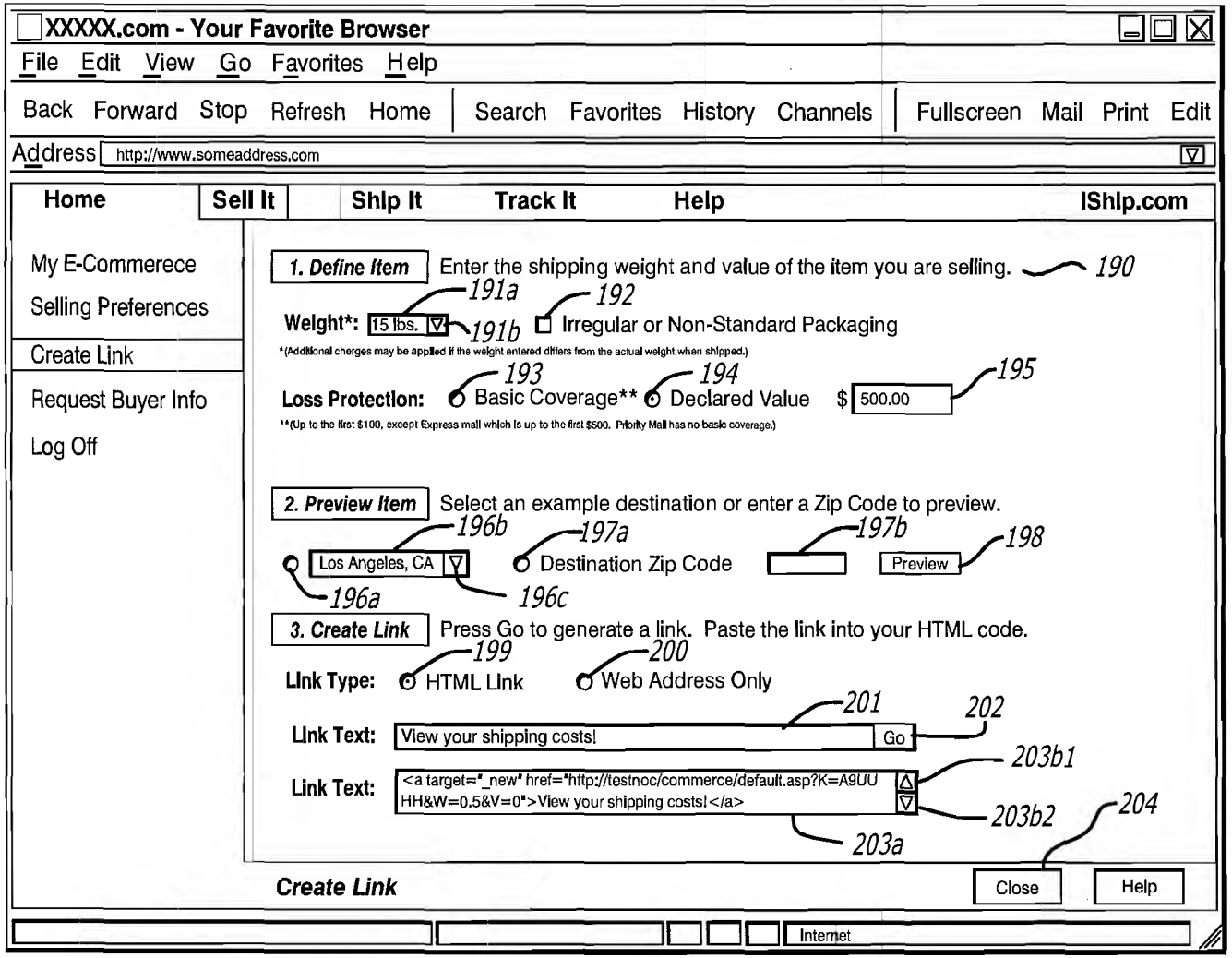



FIG. 25

REPLACEMENT SHEET

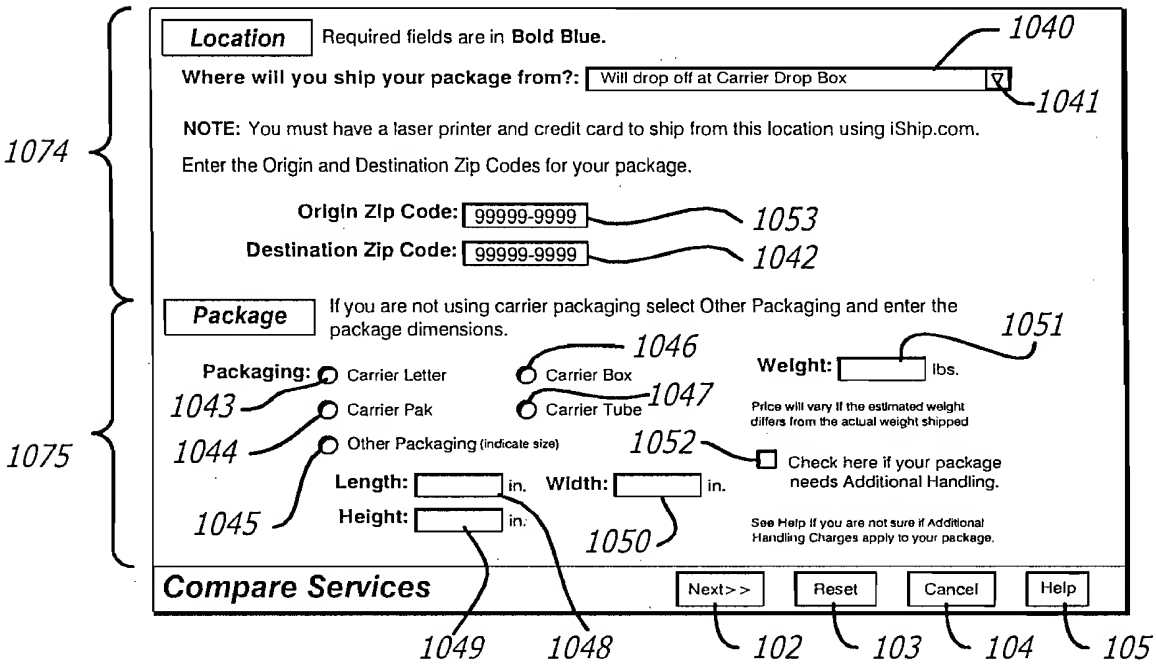

Location
Required fields are in Bold Blue.
1040
Where will you ship your package from?:
Will drop off at Carrier Drop Box
1041
NOTE: You must have a laser printer and credit card to ship from this location using iShip.com.
Enter the Origin and Destination Zip Codes for your package.
Origin Zip Code: 99999-9999
1053
Destination Zip Code: 99999-9999
1042
1074
Package
If you are not using carrier packaging select Other Packaging and enter the package dimensions.
1051
1046
Packaging:
Carrier Letter
Carrier Box
Weight:
lbs.
1043
Carrier Pak
Carrier Tube
1047
Price will vary if the estimated weight differs from the actual weight shipped
1044
Other Packaging (indicate size)
1052
Check here if your package needs Additional Handling.
1075
Length:
in.
Width:
in.
1045
Height:
in.
1050
See Help if you are not sure if Additional Handling Charges apply to your package.
Compare Services
Next>>
Reset
Cancel
Help
1049
1048
102
103
104
105

FIG. 26

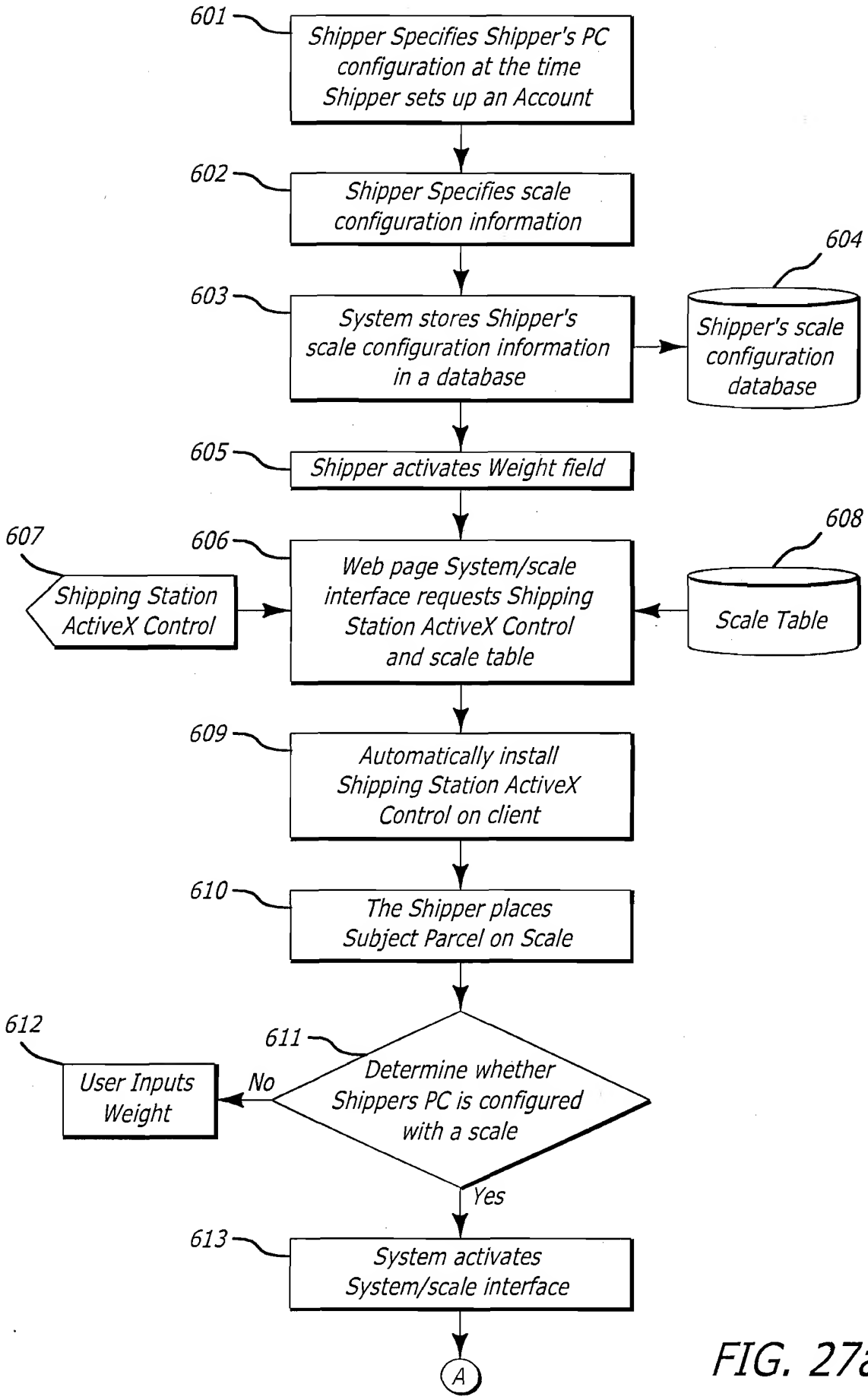

601
Shipper Specifies Shipper's PC configuration at the time Shipper sets up an Account
602
Shipper Specifies scale configuration information
603
System stores Shipper's scale configuration information in a database
604
Shipper's scale configuration database
605
Shipper activates Weight field
606
Web page System/scale interface requests Shipping Station ActiveX Control and scale table
607
Shipping Station ActiveX Control
608
Scale Table
609
Automatically install Shipping Station ActiveX Control on client
610
The Shipper places Subject Parcel on Scale
611
Determine whether Shippers PC is configured with a scale
612
User Inputs Weight
No
Yes
613
System activates System/scale interface
A

FIG. 27a

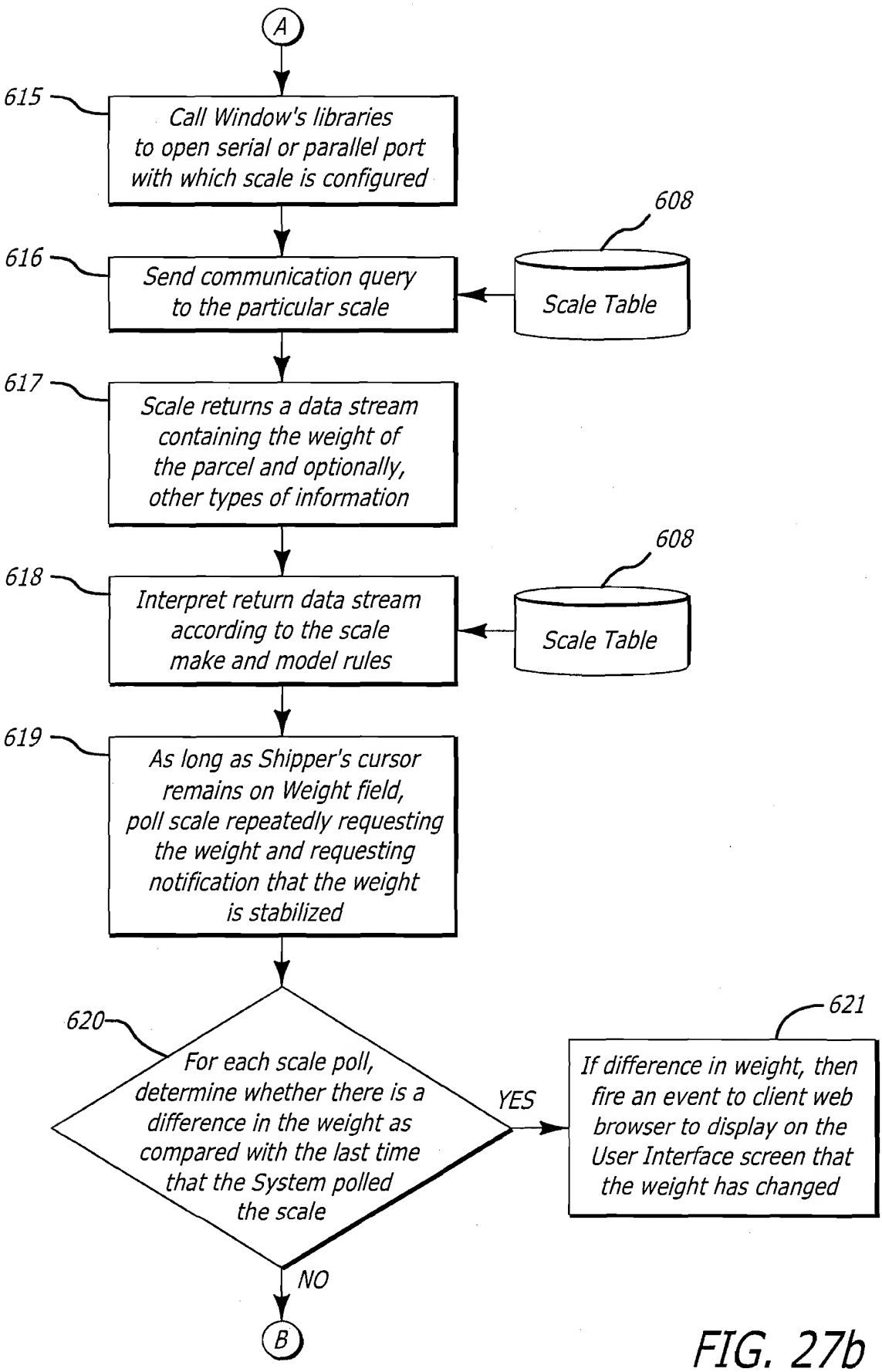

A
615
Call Window's libraries to open serial or parallel port with which scale is configured
608
616
Send communication query to the particular scale
Scale Table
617
Scale returns a data stream containing the weight of the parcel and optionally, other types of information
608
618
Interpret return data stream according to the scale make and model rules
Scale Table
619
As long as Shipper's cursor remains on Weight field, poll scale repeatedly requesting the weight and requesting notification that the weight is stabilized
620
For each scale poll, determine whether there is a difference in the weight as compared with the last time that the System polled the scale
YES
621
If difference in weight, then fire an event to client web browser to display on the User Interface screen that the weight has changed
NO
B

FIG. 27b

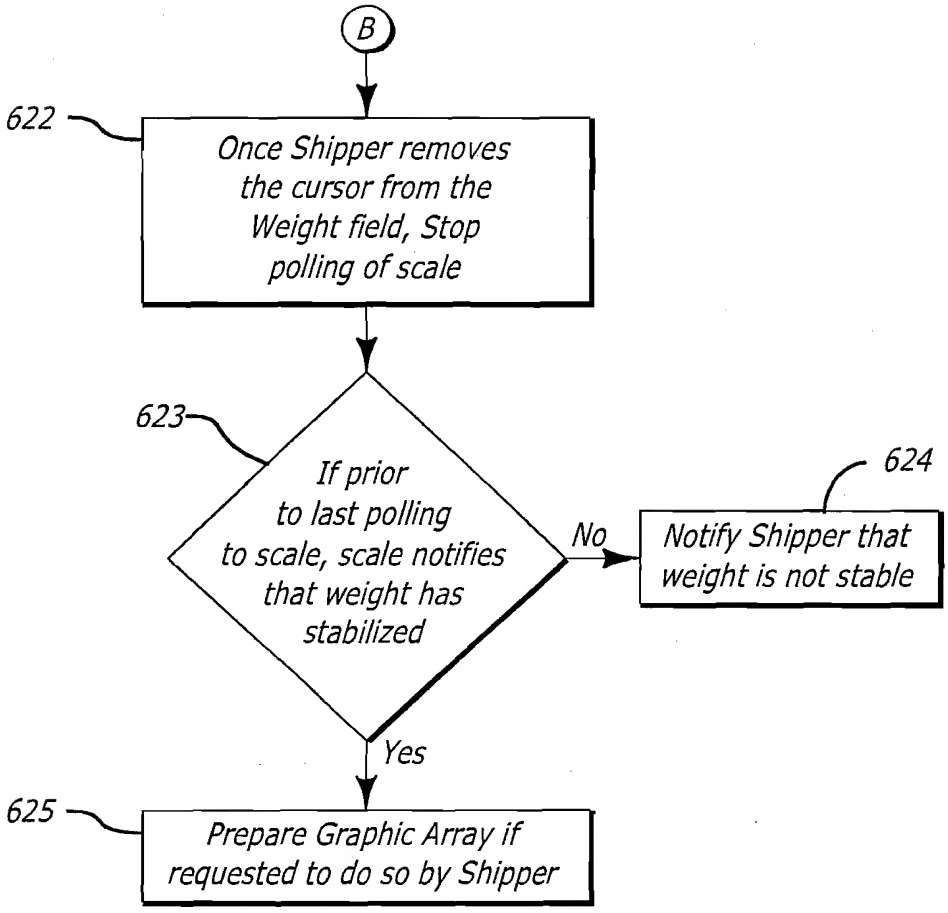

B
622
Once Shipper removes the cursor from the Weight field, Stop polling of scale
623
If prior to last polling to scale, scale notifies that weight has stabilized
No
624
Notify Shipper that weight is not stable
Yes
625
Prepare Graphic Array if requested to do so by Shipper

FIG. 27c

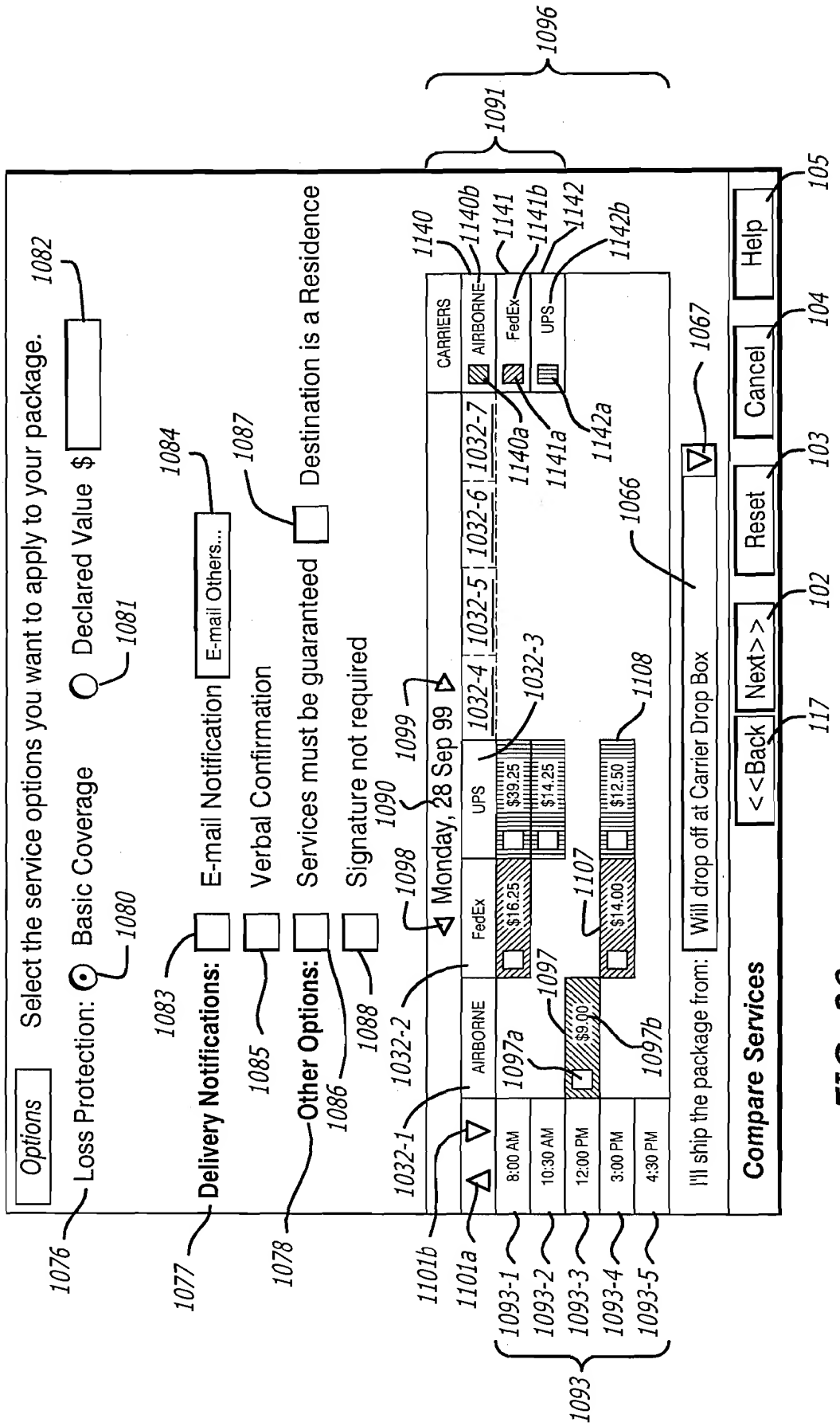

Options
Select the service options you want to apply to your package.
Loss Protection:
Basic Coverage
Declared Value $
Delivery Notifications:
E-mail Notification
E-mail Others...
Verbal Confirmation
Other Options:
Services must be guaranteed
Destination is a Residence
Signature not required
Monday, 28 Sep 99
CARRIERS
AIRBORNE
FedEx
UPS
8:00 AM
10:30 AM
12:00 PM
3:00 PM
4:30 PM
$16.25
$39.25
$14.25
$9.00
$14.00
$12.50
I'll ship the package from:
Will drop off at Carrier Drop Box
Compare Services
<<Back
Next>>
Reset
Cancel
Help
1076
1077
1078
1080
1081
1082
1083
1084
1085
1086
1087
1088
1090
1091
1093
1093-1
1093-2
1093-3
1093-4
1093-5
1096
1097
1097a
1097b
1098
1099
1101a
1101b
1102
1103
1104
1105
1107
1108
1117
1140
1140a
1140b
1141
1141a
1141b
1142
1142a
1142b
1032-1
1032-2
1032-3
1032-4
1032-5
1032-6
1032-7
1066
1067

FIG. 28

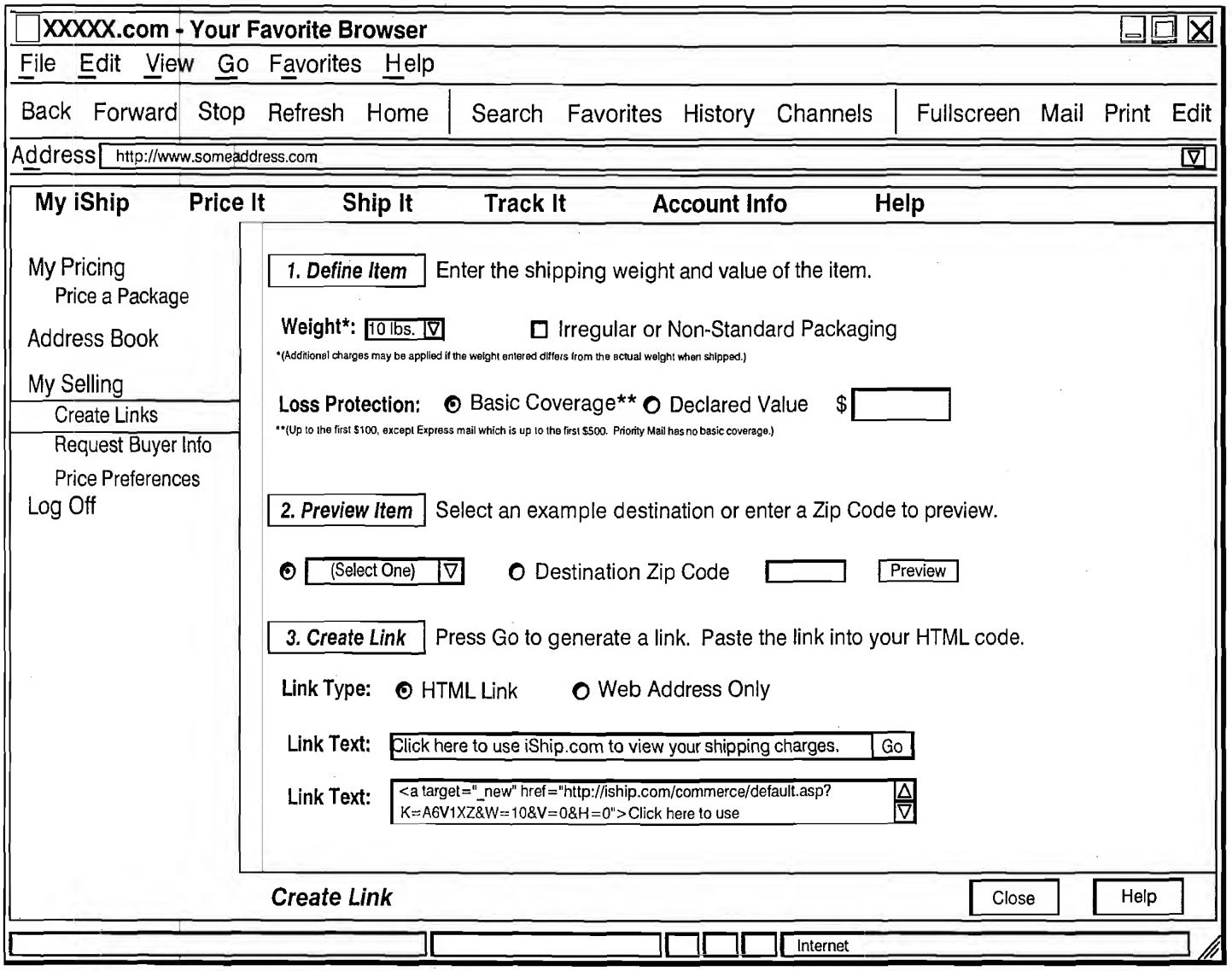



FIG. 29

REPLACEMENT SHEET

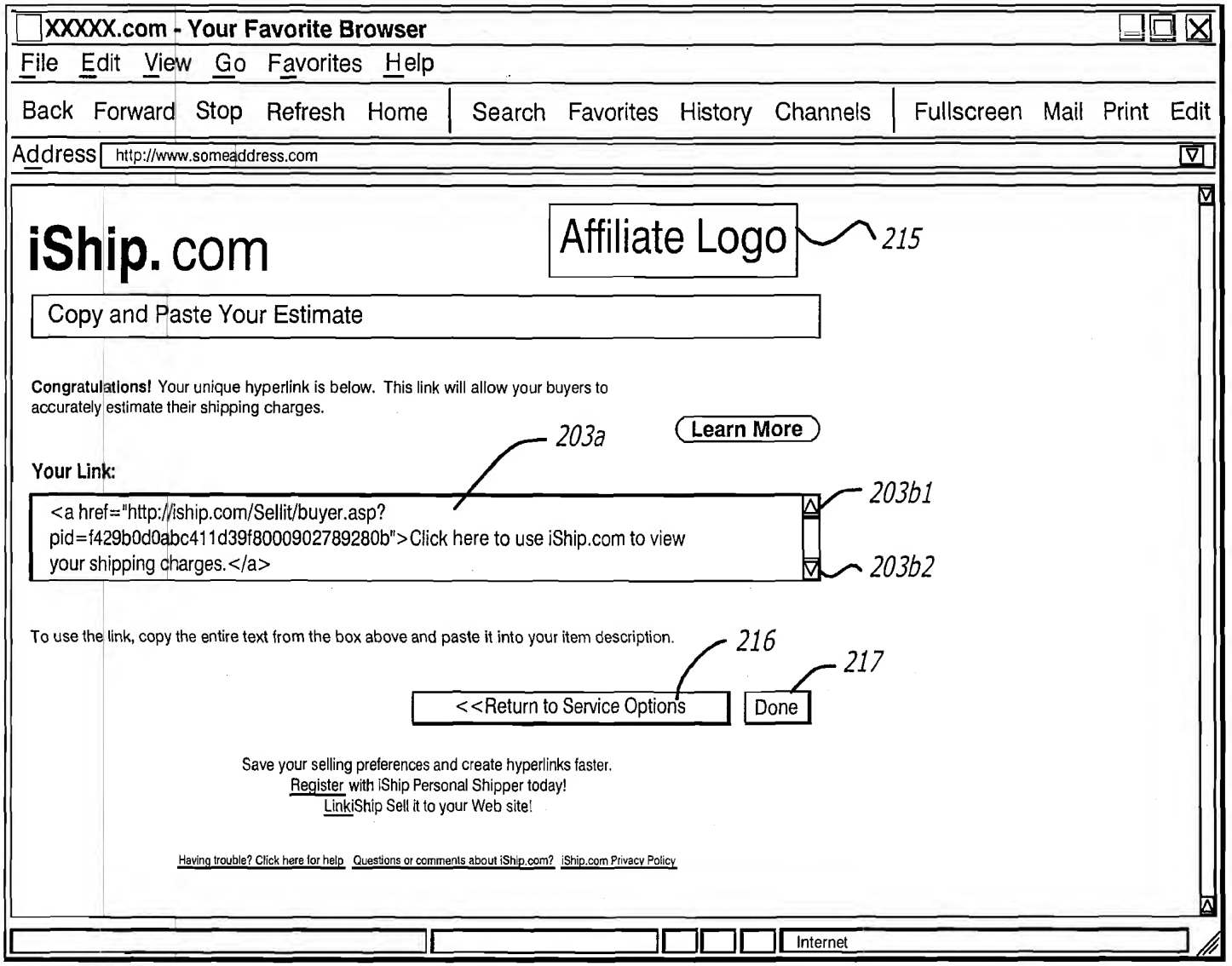



FIG. 30

REPLACEMENT SHEET

<a target="_new"

href="http://iship.com/commerce/default.asp?K=A6V1XZ

&W=10&V=0&H=0">View Tour Shipping Costs!</a>

210 (K=A6V1XZ)
210-1 (K=)
210-2 (A6V1XZ)
211 (W=10)
212 (V=0)
213 (H=0)
214 (View Tour Shipping Costs!)

FIG. 31

<a href="http://iship.com/Sellit/buyer.asp?

pid=f429b0d0abc411d39f8000902789280b"

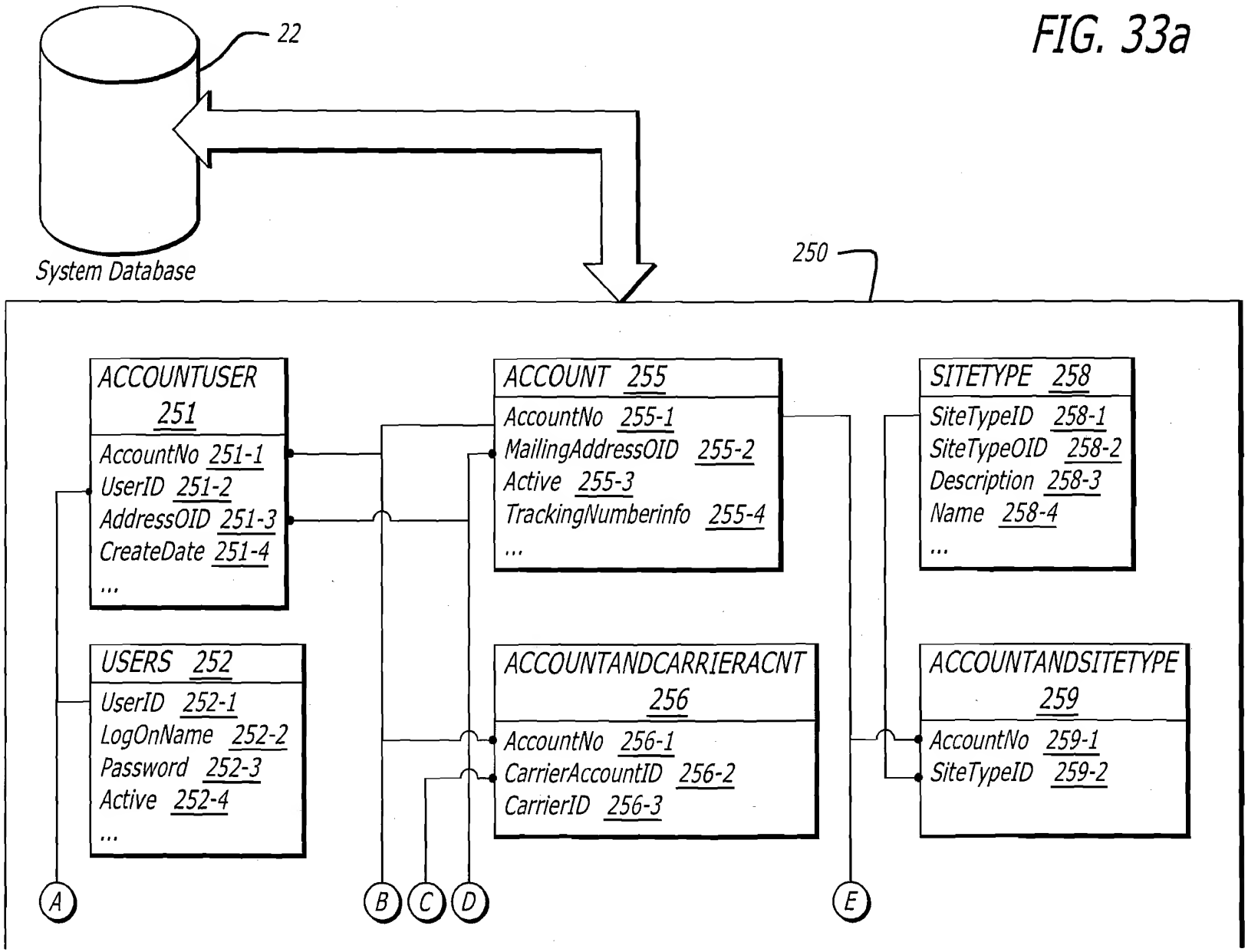
220

>Click here to use iShip.com to view your shipping charges.</a>

214

FIG. 32

FIG. 33a




REPLACEMENT SHEET

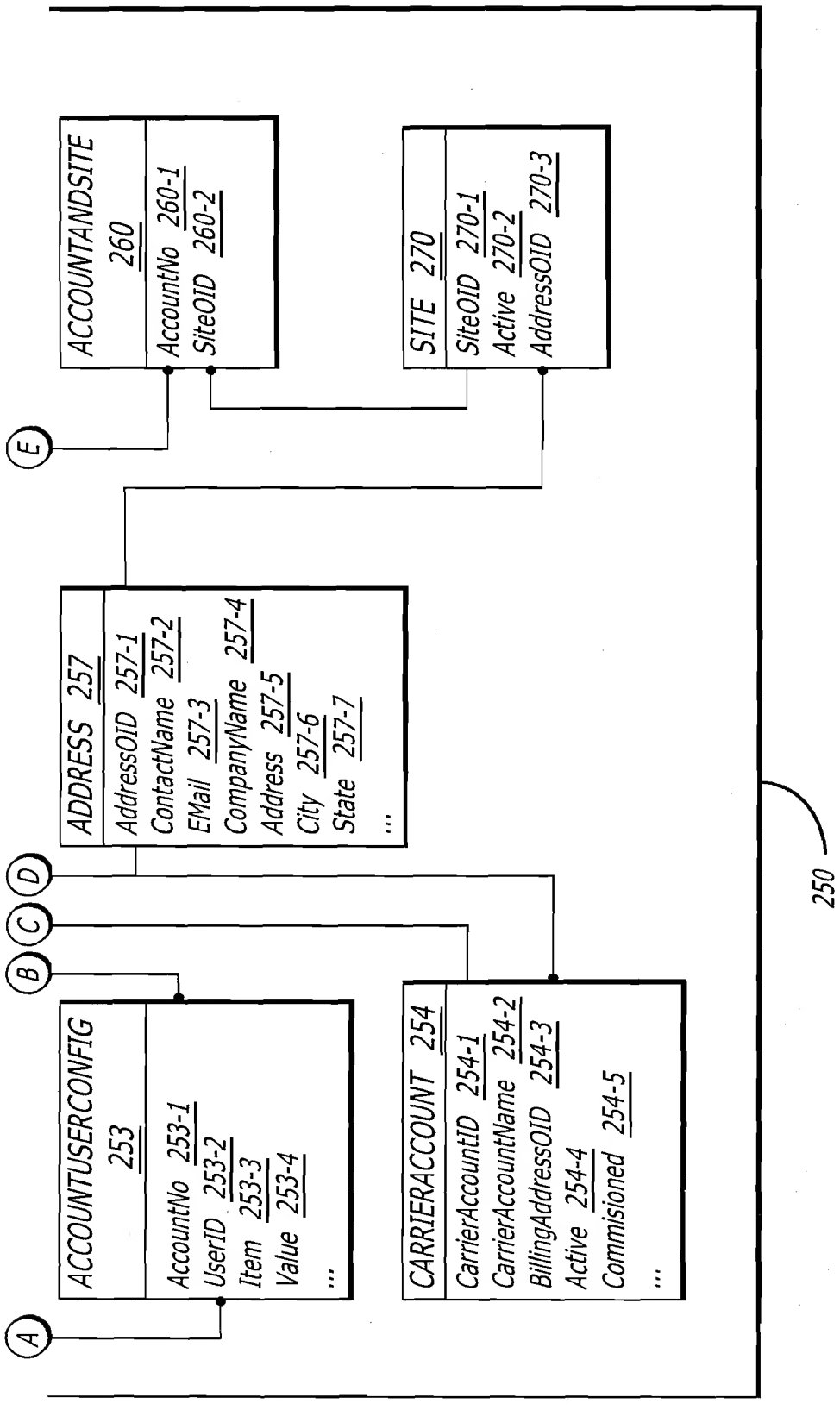

ACCOUNTUSERCONFIG
253
AccountNo 253-1
UserID 253-2
Item 253-3
Value 253-4
...
ADDRESS 257
AddressOID 257-1
ContactName 257-2
EMail 257-3
CompanyName 257-4
Address 257-5
City 257-6
State 257-7
...
CARRIERACCOUNT 254
CarrierAccountID 254-1
CarrierAccountName 254-2
BillingAddressOID 254-3
Active 254-4
Commisioned 254-5
...
ACCOUNTANDSITE
260
AccountNo 260-1
SiteOID 260-2
SITE 270
SiteOID 270-1
Active 270-2
AddressOID 270-3
A
B
C
D
E
250

FIG. 33b

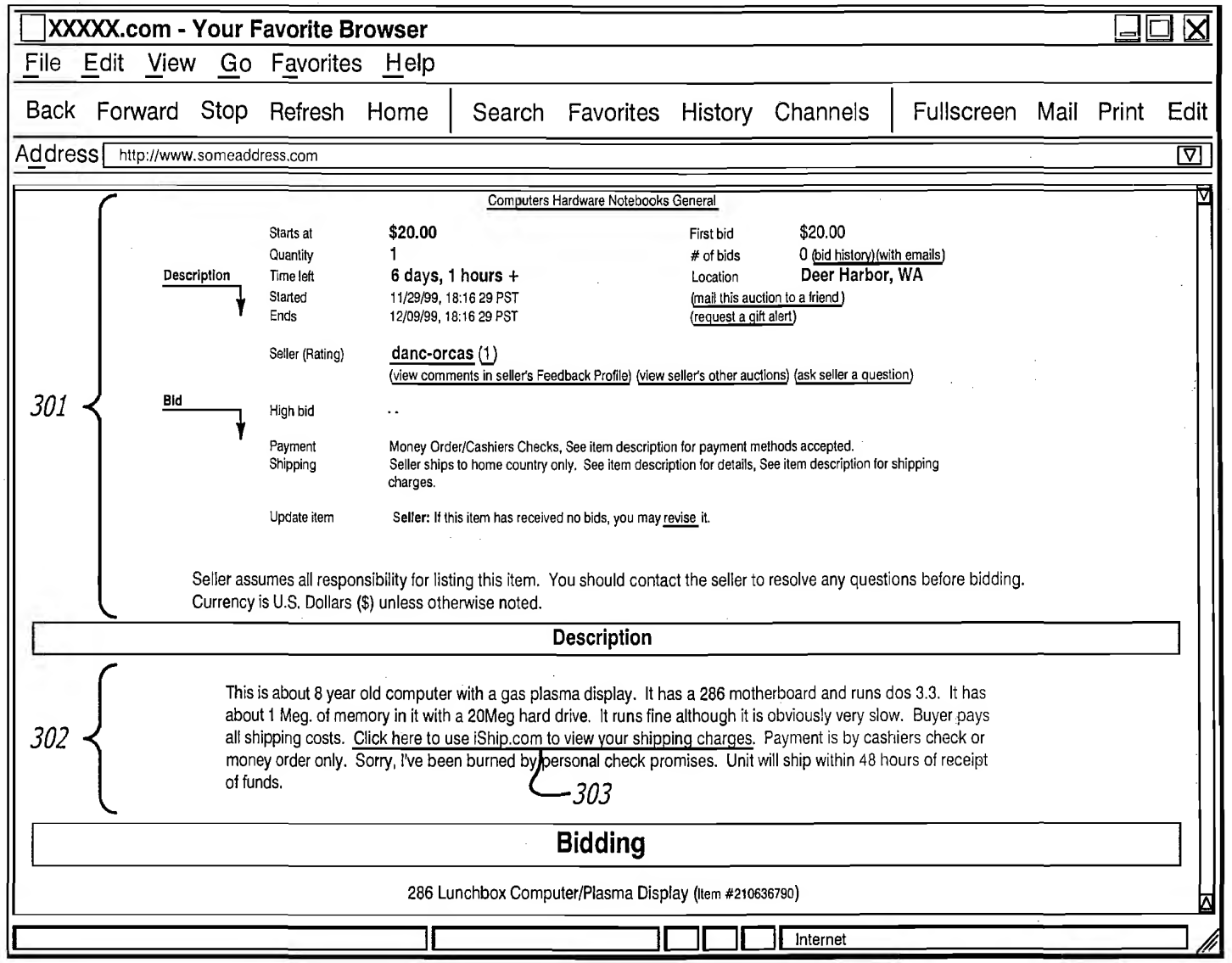



FIG. 34

REPLACEMENT SHEET

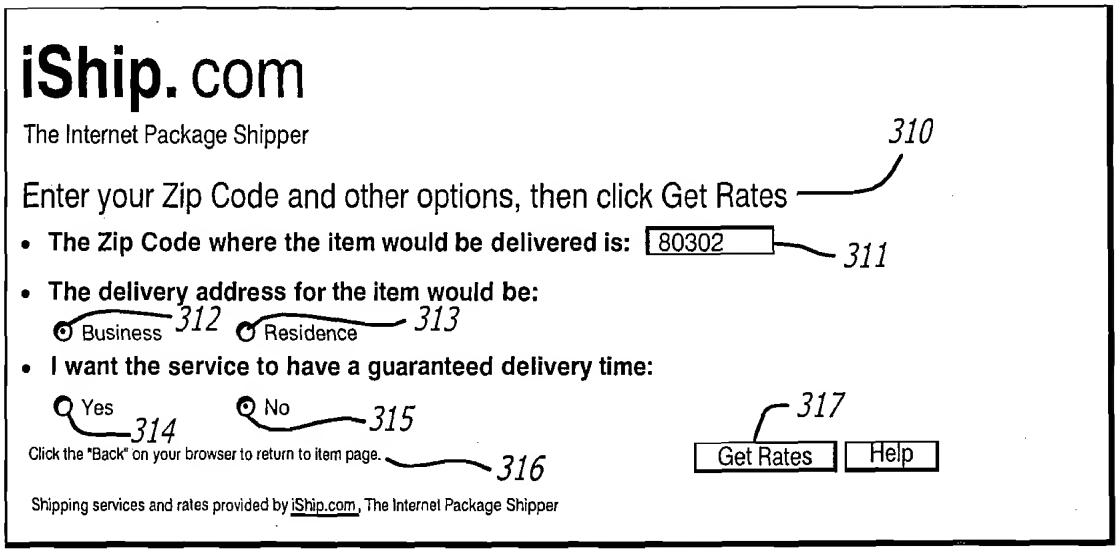



FIG. 35

REPLACEMENT SHEET

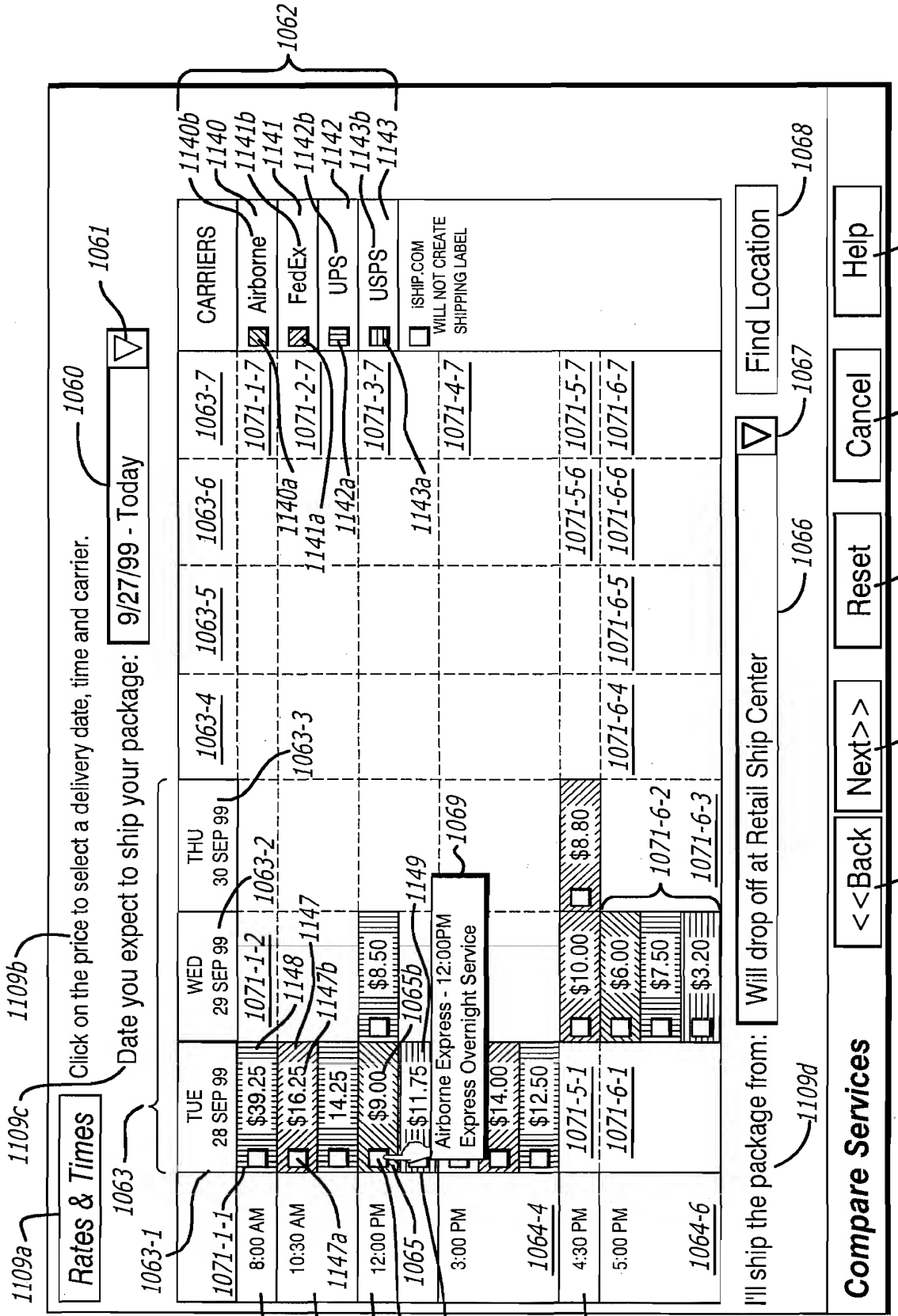

Rates & Times
Click on the price to select a delivery date, time and carrier.
Date you expect to ship your package:
9/27/99 - Today
TUE 28 SEP 99
WED 29 SEP 99
THU 30 SEP 99
CARRIERS
Airborne
FedEx
UPS
USPS
iSHIP.COM WILL NOT CREATE SHIPPING LABEL
8:00 AM
10:30 AM
12:00 PM
3:00 PM
4:30 PM
5:00 PM
$39.25
$16.25
14.25
$9.00
$11.75
$14.00
$12.50
$8.50
$10.00
$8.80
$6.00
$7.50
$3.20
Airborne Express - 12:00PM Express Overnight Service
I'll ship the package from:
Will drop off at Retail Ship Center
Find Location
Compare Services
<<Back
Next>>
Reset
Cancel
Help
1062
1063
1063-1
1063-2
1063-3
1063-4
1063-5
1063-6
1063-7
1064
1064-1
1064-2
1064-3
1064-4
1064-5
1064-6
1065
1065a
1065b
1066
1067
1068
1069
1071-1-1
1071-1-2
1071-1-7
1071-2-7
1071-3-1
1071-3-7
1071-4-7
1071-5-1
1071-5-6
1071-5-7
1071-6-1
1071-6-2
1071-6-3
1071-6-4
1071-6-5
1071-6-6
1071-6-7
1109a
1109b
1109c
1109d
1140a
1140b
1140
1141a
1141b
1141
1142a
1142b
1142
1143a
1143b
1143
1147
1147a
1147b
1148
1149
117
102
103
104
105

FIG. 36a

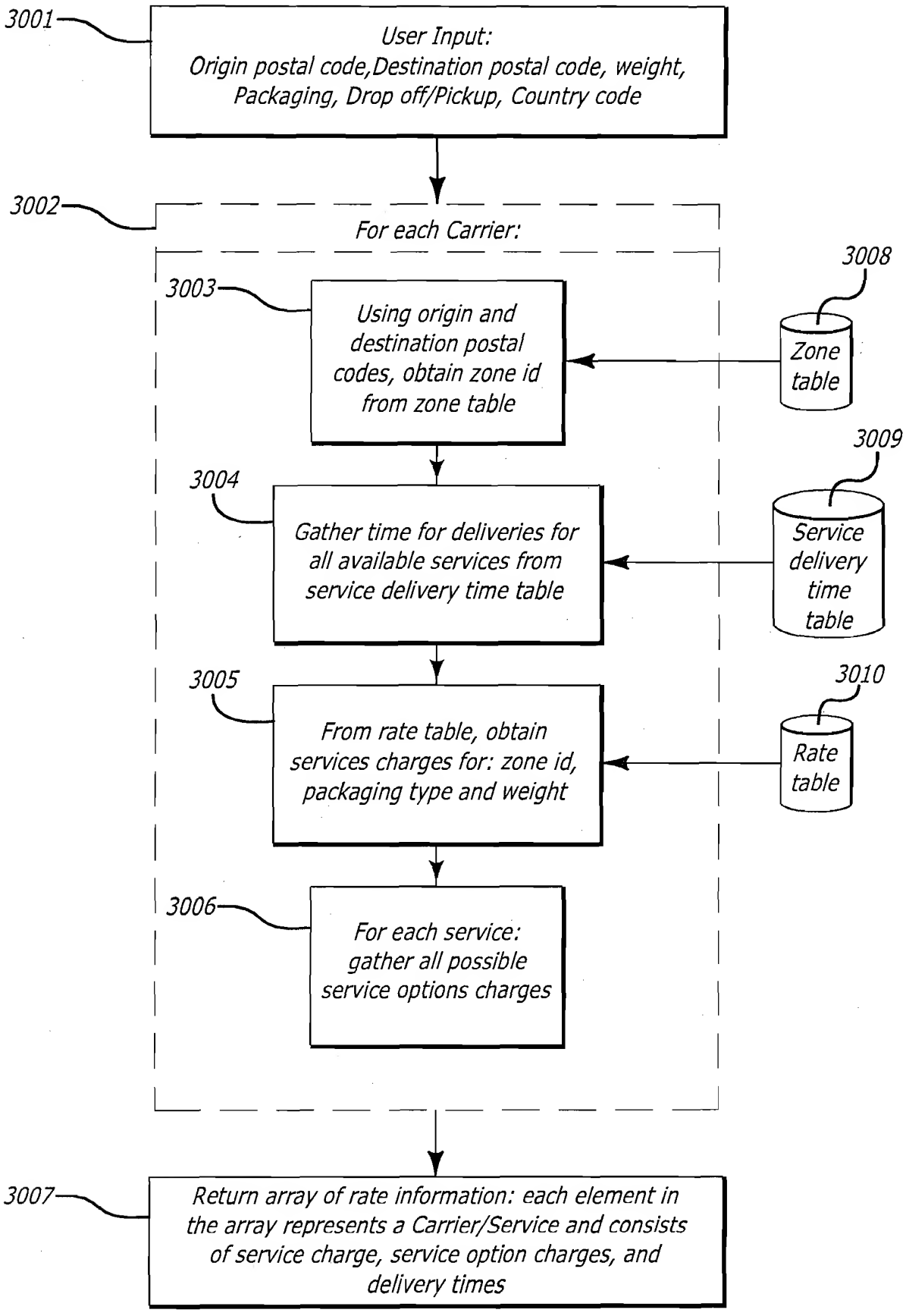

3001
User Input:
Origin postal code,Destination postal code, weight,
Packaging, Drop off/Pickup, Country code
3002
For each Carrier:
3003
Using origin and destination postal codes, obtain zone id from zone table
3008
Zone table
3004
Gather time for deliveries for all available services from service delivery time table
3009
Service delivery time table
3005
From rate table, obtain services charges for: zone id, packaging type and weight
3010
Rate table
3006
For each service: gather all possible service options charges
3007
Return array of rate information: each element in the array represents a Carrier/Service and consists of service charge, service option charges, and delivery times

FIG. 36b

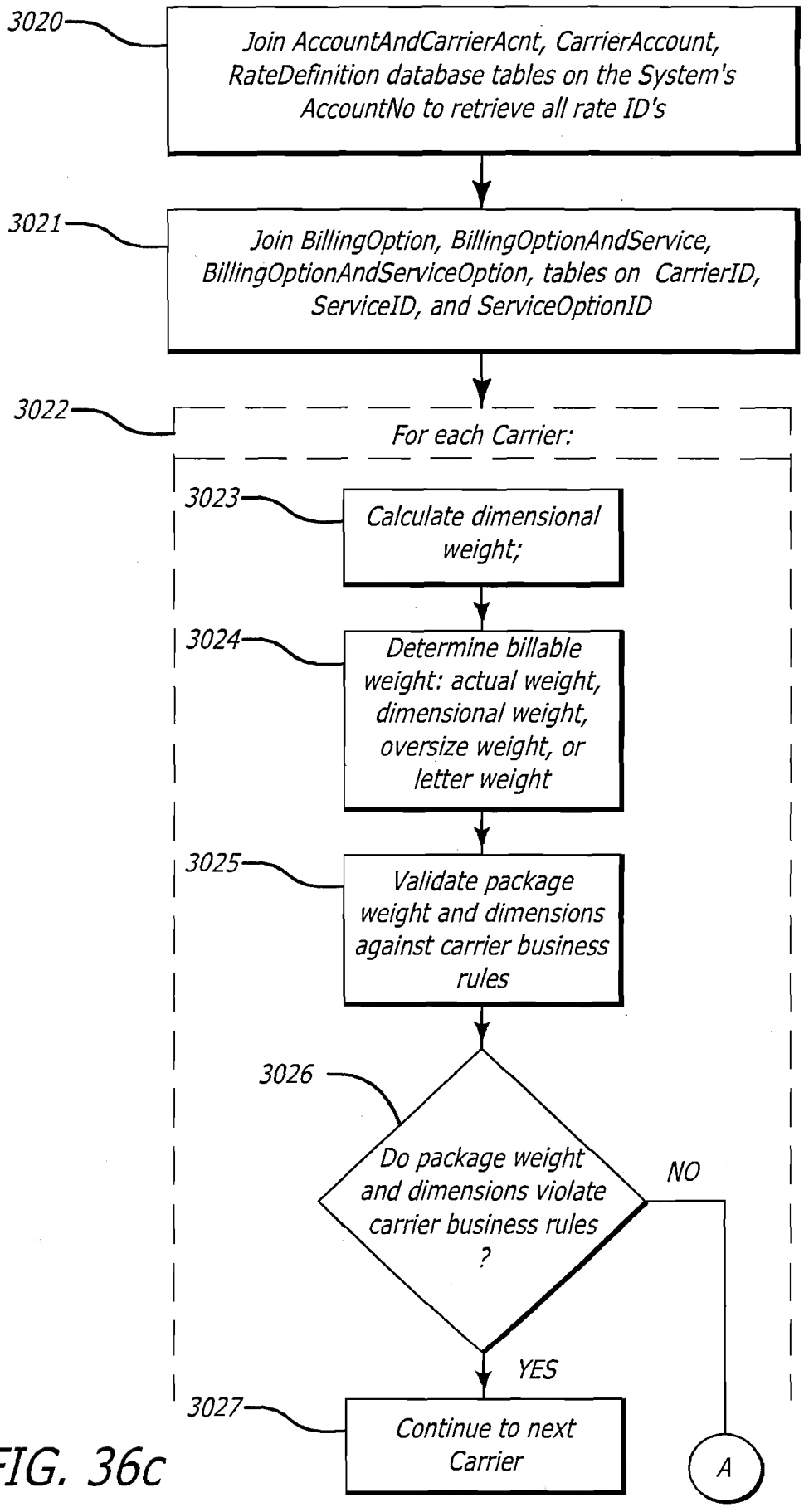

3020
Join AccountAndCarrierAcnt, CarrierAccount, RateDefinition database tables on the System's AccountNo to retrieve all rate ID's
3021
Join BillingOption, BillingOptionAndService, BillingOptionAndServiceOption, tables on CarrierID, ServiceID, and ServiceOptionID
3022
For each Carrier:
3023
Calculate dimensional weight;
3024
Determine billable weight: actual weight, dimensional weight, oversize weight, or letter weight
3025
Validate package weight and dimensions against carrier business rules
3026
Do package weight and dimensions violate carrier business rules ?
NO
YES
3027
Continue to next Carrier
A

FIG. 36c

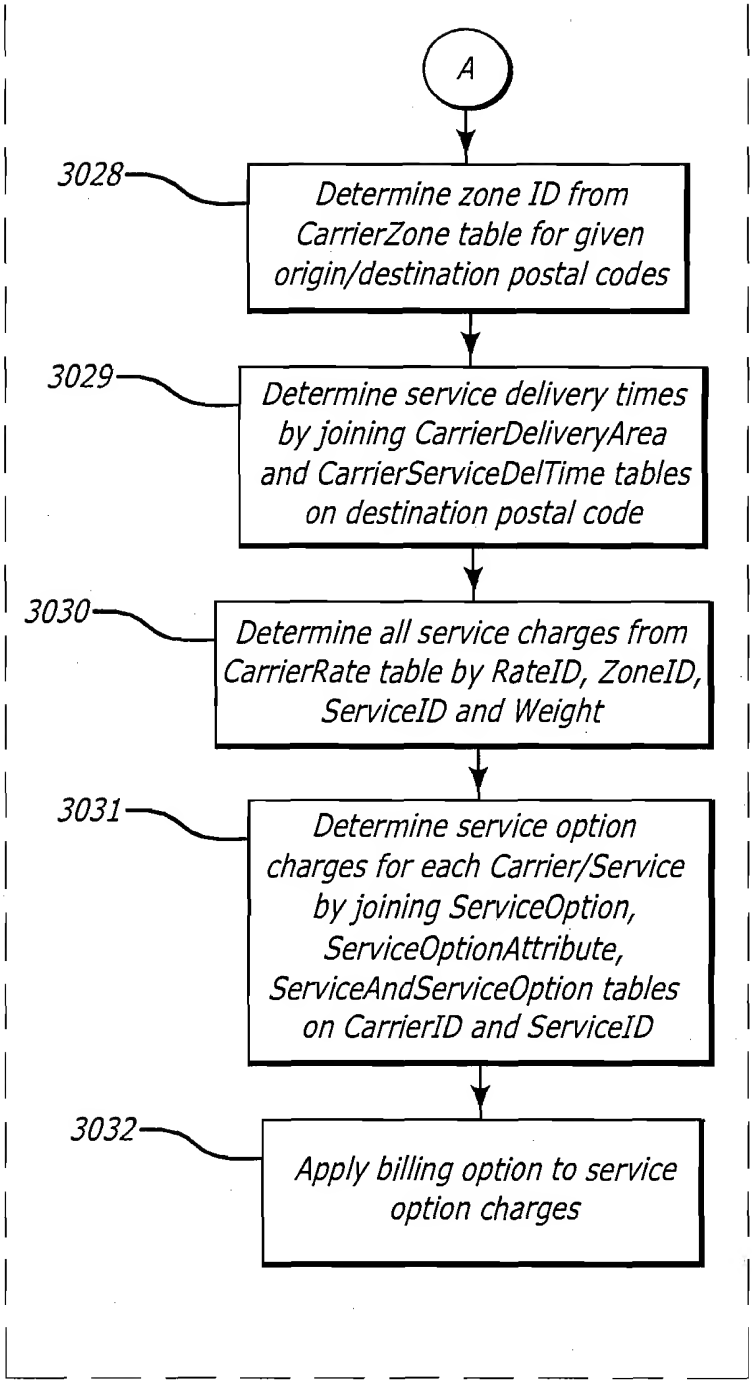

A
3028
Determine zone ID from CarrierZone table for given origin/destination postal codes
3029
Determine service delivery times by joining CarrierDeliveryArea and CarrierServiceDelTime tables on destination postal code
3030
Determine all service charges from CarrierRate table by RateID, ZoneID, ServiceID and Weight
3031
Determine service option charges for each Carrier/Service by joining ServiceOption, ServiceOptionAttribute, ServiceAndServiceOption tables on CarrierID and ServiceID
3032
Apply billing option to service option charges

FIG. 36d

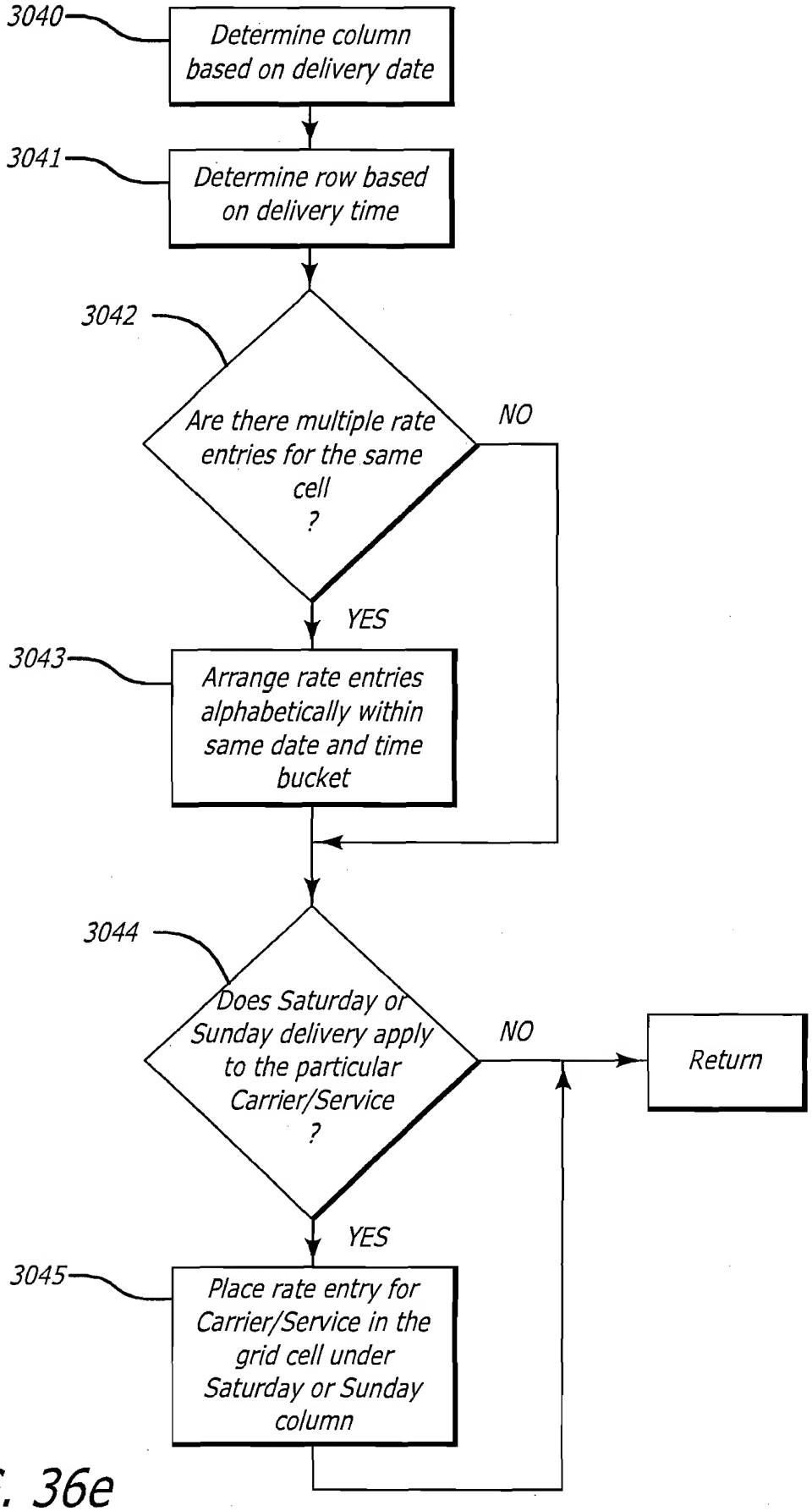

3040
Determine column based on delivery date
3041
Determine row based on delivery time
3042
Are there multiple rate entries for the same cell ?
NO
YES
3043
Arrange rate entries alphabetically within same date and time bucket
3044
Does Saturday or Sunday delivery apply to the particular Carrier/Service ?
NO
Return
YES
3045
Place rate entry for Carrier/Service in the grid cell under Saturday or Sunday column

FIG. 36e

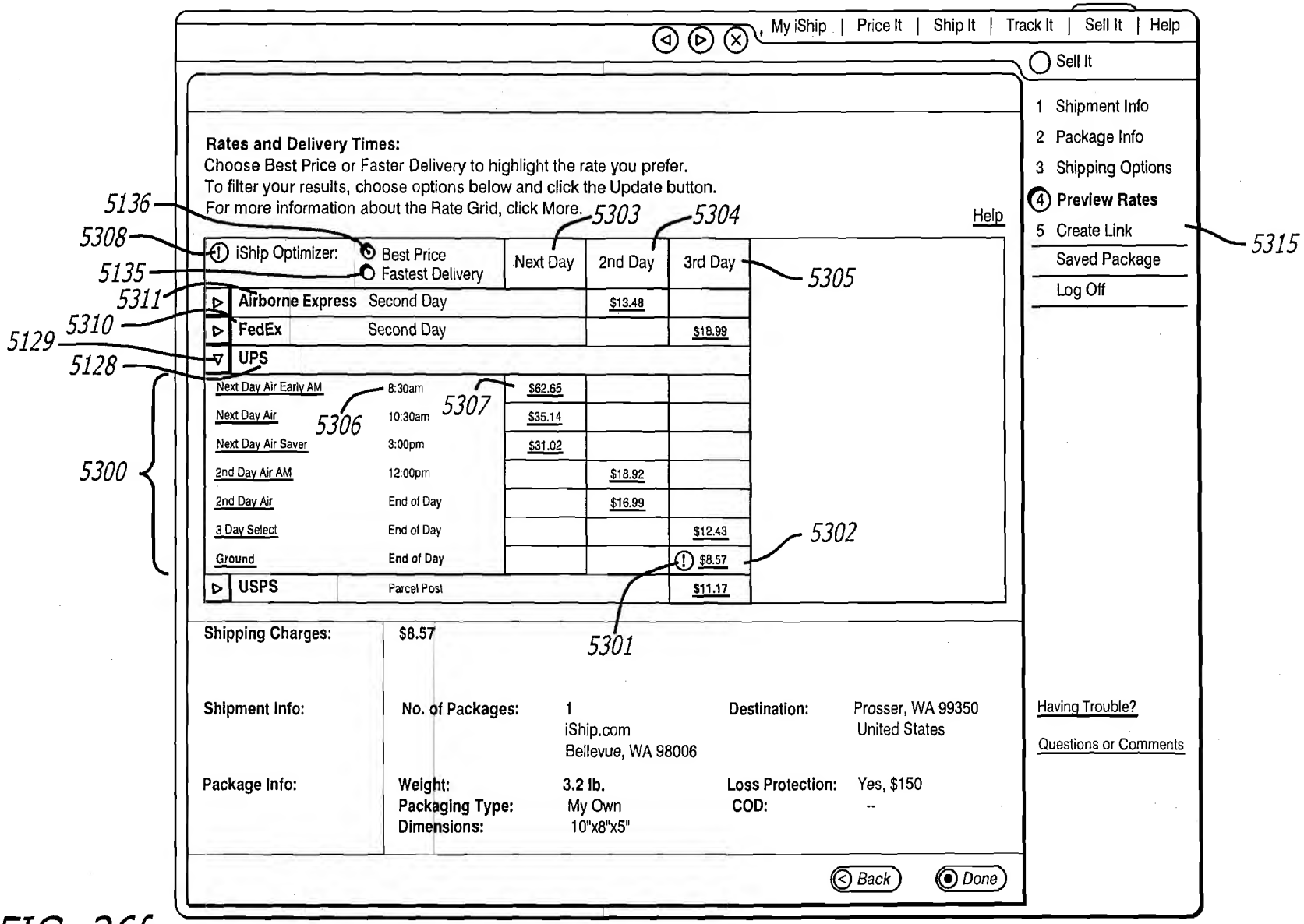



FIG. 36f

REPLACEMENT SHEET

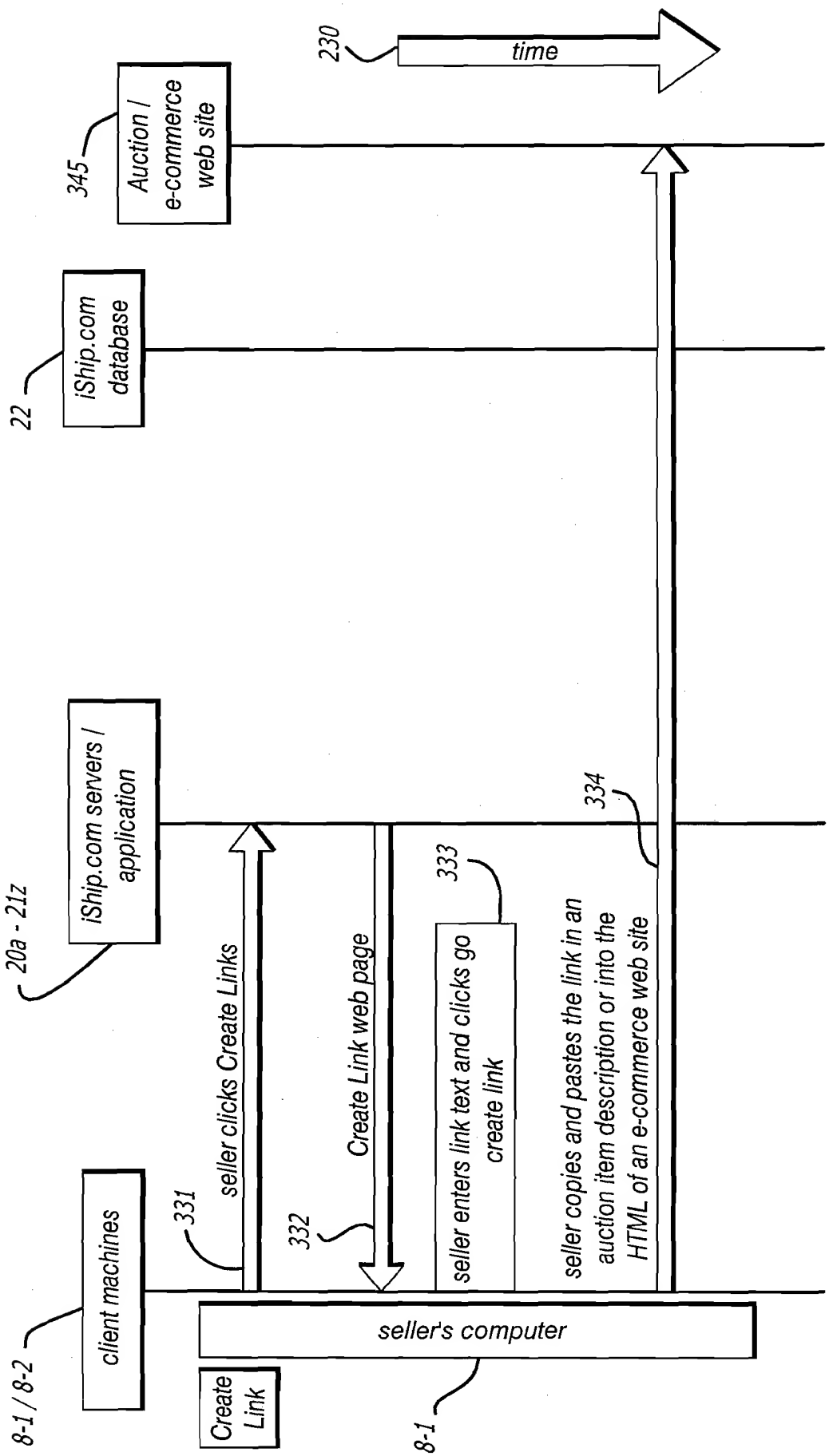

230
time
345
Auction / e-commerce web site
22
iShip.com database
20a - 21z
iShip.com servers / application
8-1 / 8-2
client machines
Create Link
8-1
seller's computer
331
seller clicks Create Links
332
Create Link web page
333
seller enters link text and clicks go create link
334
seller copies and pastes the link in an auction item description or into the HTML of an e-commerce web site

FIG. 37a

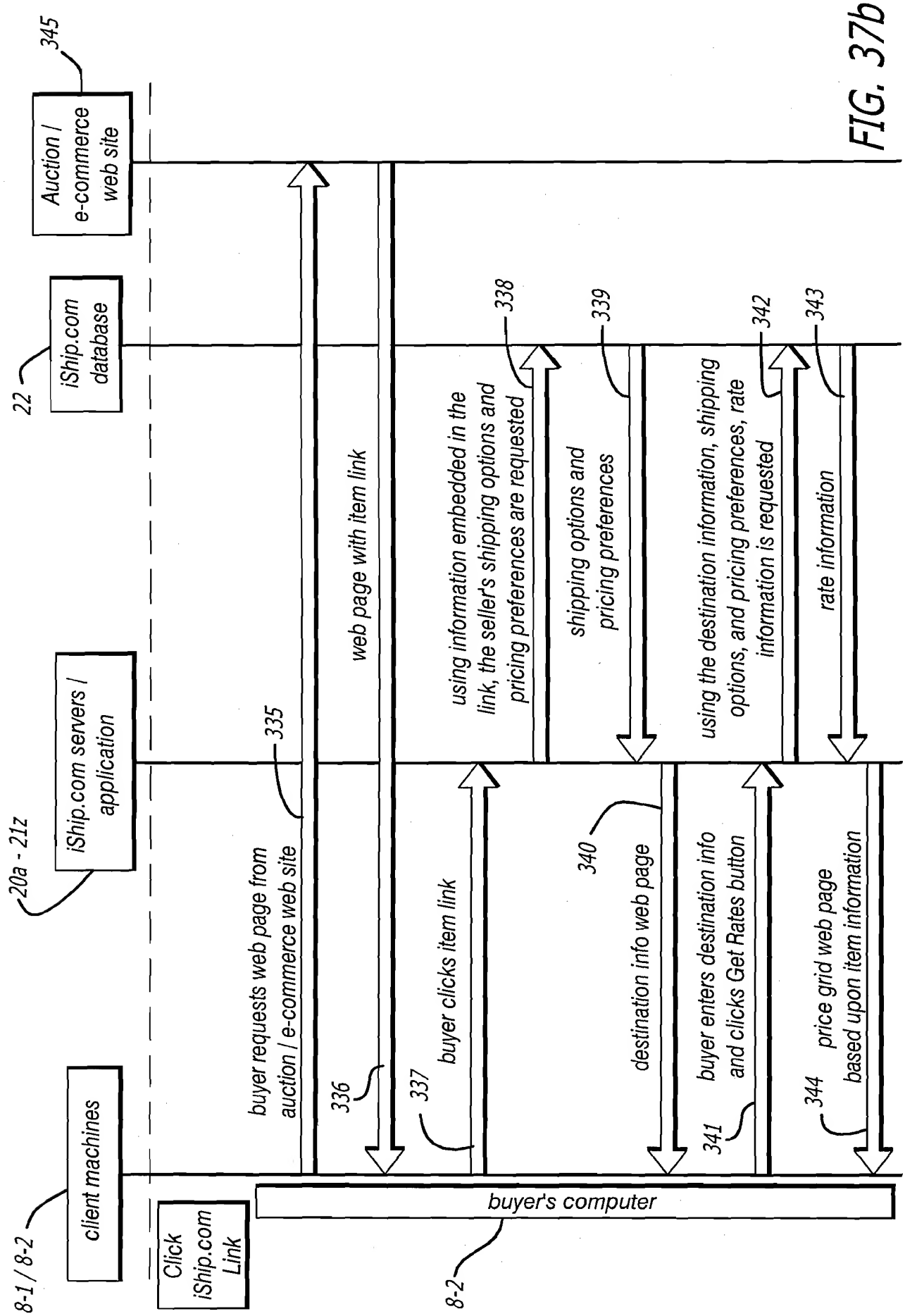

8-1 / 8-2
client machines
Click iShip.com Link
20a - 21z
iShip.com servers / application
22
iShip.com database
Auction / e-commerce web site
345
8-2
buyer's computer
buyer requests web page from auction / e-commerce web site
335
web page with item link
336
buyer clicks item link
337
using information embedded in the link, the seller's shipping options and pricing preferences are requested
338
shipping options and pricing preferences
339
destination info web page
340
buyer enters destination info and clicks Get Rates button
341
using the destination information, shipping options, and pricing preferences, rate information is requested
342
rate information
343
price grid web page based upon item information
344

FIG. 37b

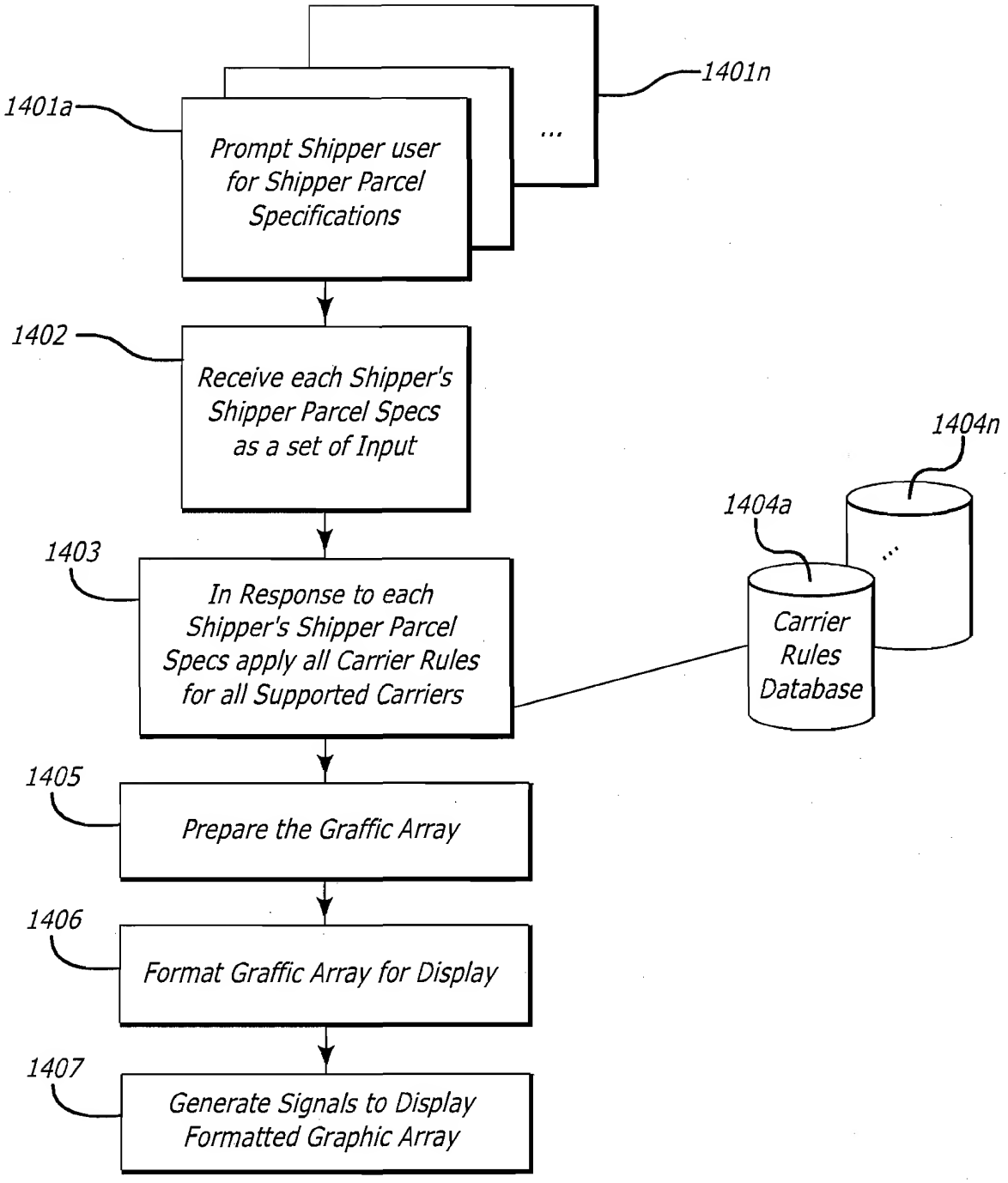

1401a
1401n
...
Prompt Shipper user for Shipper Parcel Specifications
1402
Receive each Shipper's Shipper Parcel Specs as a set of Input
1403
In Response to each Shipper's Shipper Parcel Specs apply all Carrier Rules for all Supported Carriers
1404a
1404n
...
Carrier Rules Database
1405
Prepare the Graffic Array
1406
Format Graffic Array for Display
1407
Generate Signals to Display Formatted Graphic Array

FIG. 38

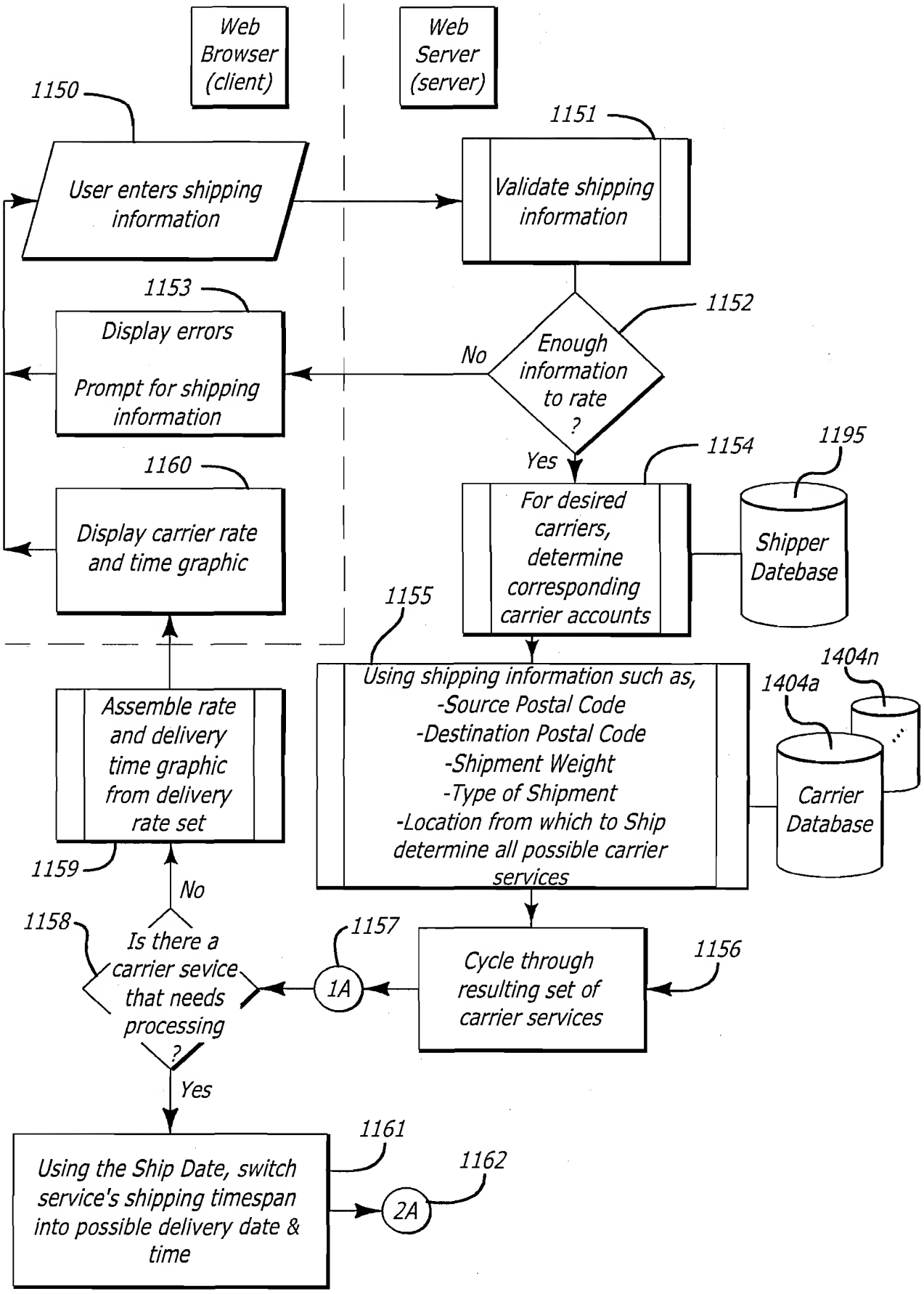

Web Browser (client)
Web Server (server)
1150
User enters shipping information
1151
Validate shipping information
1153
Display errors
Prompt for shipping information
No
1152
Enough information to rate ?
Yes
1154
1195
1160
Display carrier rate and time graphic
For desired carriers, determine corresponding carrier accounts
Shipper Datebase
1155
1404n
1404a
Using shipping information such as,
-Source Postal Code
-Destination Postal Code
-Shipment Weight
-Type of Shipment
-Location from which to Ship
determine all possible carrier services
Carrier Database
Assemble rate and delivery time graphic from delivery rate set
1159
No
1158
Is there a carrier sevice that needs processing ?
1157
1A
Cycle through resulting set of carrier services
1156
Yes
1161
Using the Ship Date, switch service's shipping timespan into possible delivery date & time
1162
2A

FIG. 39a

FIG. 39b

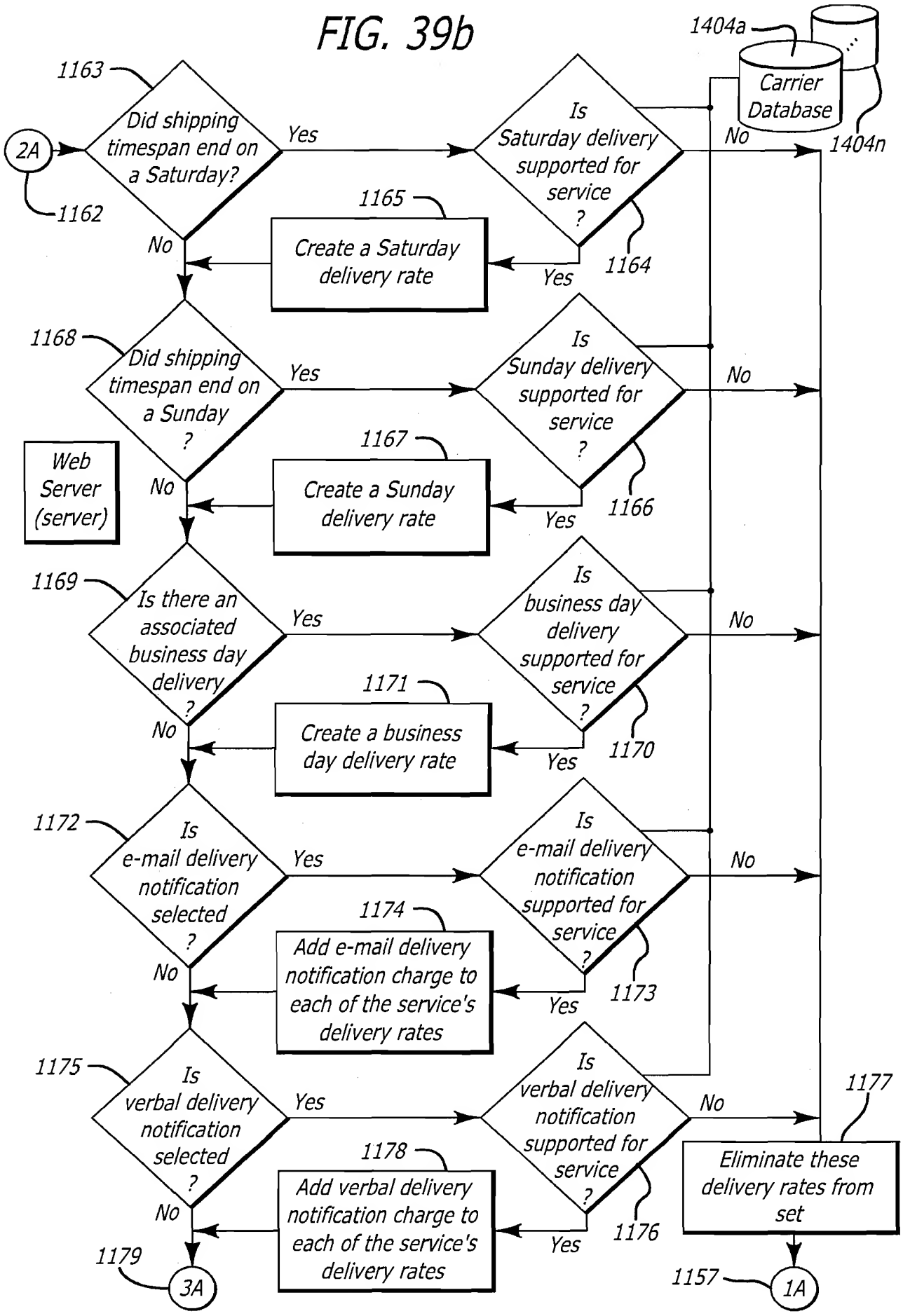
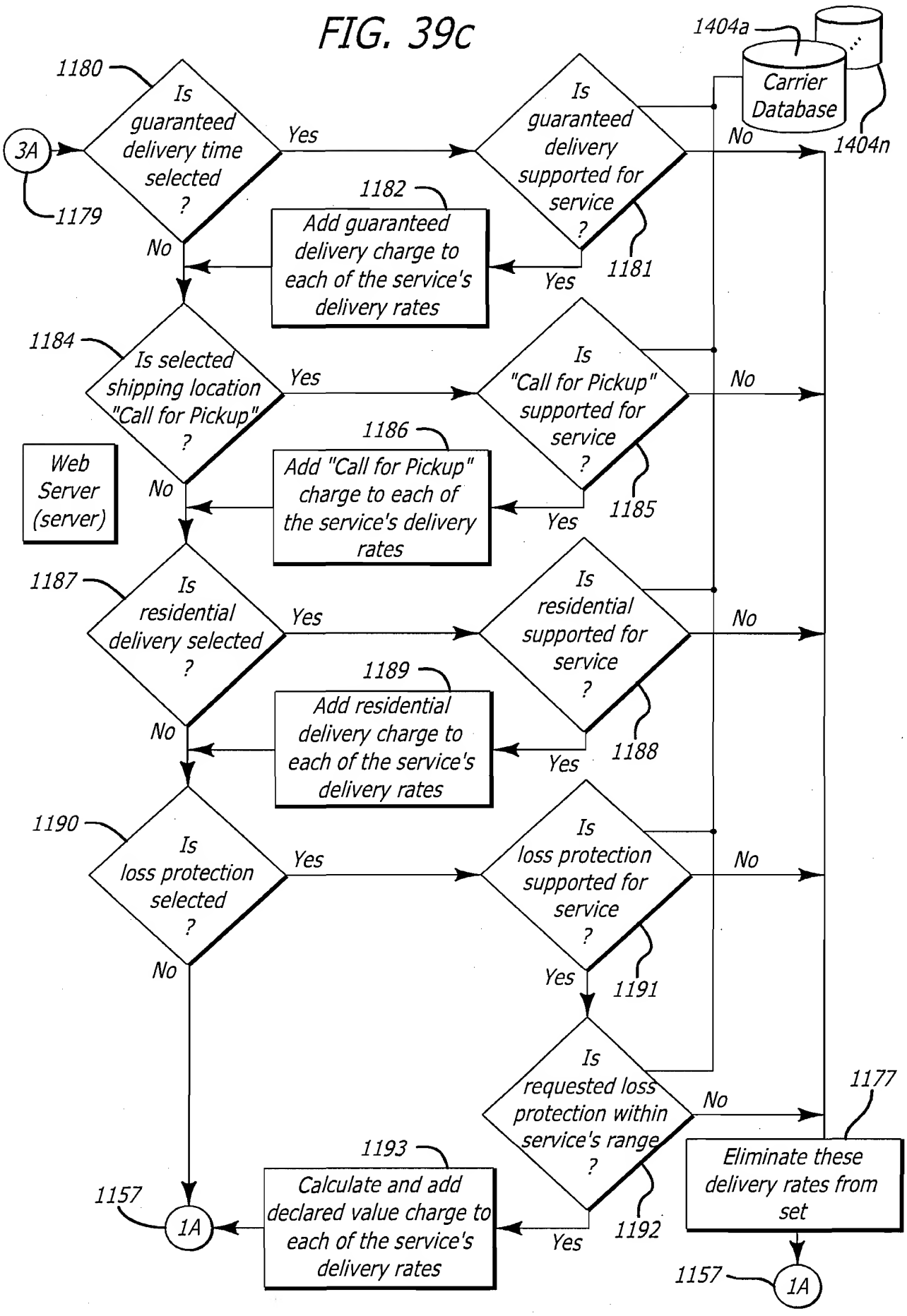

1404a
Carrier Database
1404n
1163
Did shipping timespan end on a Saturday?
2A
1162
Yes
No
Is Saturday delivery supported for service ?
1164
1165
Create a Saturday delivery rate
Yes
1168
Did shipping timespan end on a Sunday ?
Yes
No
Is Sunday delivery supported for service ?
1166
1167
Create a Sunday delivery rate
Yes
Web Server (server)
1169
Is there an associated business day delivery ?
Yes
No
Is business day delivery supported for service ?
1170
1171
Create a business day delivery rate
Yes
1172
Is e-mail delivery notification selected ?
Yes
No
Is e-mail delivery notification supported for service ?
1173
1174
Add e-mail delivery notification charge to each of the service's delivery rates
Yes
1175
Is verbal delivery notification selected ?
Yes
No
Is verbal delivery notification supported for service ?
1176
1178
Add verbal delivery notification charge to each of the service's delivery rates
Yes
1177
Eliminate these delivery rates from set
1179
3A
1157
1A

FIG. 39c


1404a
Carrier Database
1404n
1180
Is guaranteed delivery time selected ?
3A
1179
Yes
No
Is guaranteed delivery supported for service ?
1181
1182
Add guaranteed delivery charge to each of the service's delivery rates
1184
Is selected shipping location "Call for Pickup" ?
Is "Call for Pickup" supported for service ?
1185
1186
Add "Call for Pickup" charge to each of the service's delivery rates
Web Server (server)
1187
Is residential delivery selected ?
Is residential supported for service ?
1188
1189
Add residential delivery charge to each of the service's delivery rates
1190
Is loss protection selected ?
Is loss protection supported for service ?
1191
Is requested loss protection within service's range ?
1192
1193
Calculate and add declared value charge to each of the service's delivery rates
1157
1A
1177
Eliminate these delivery rates from set

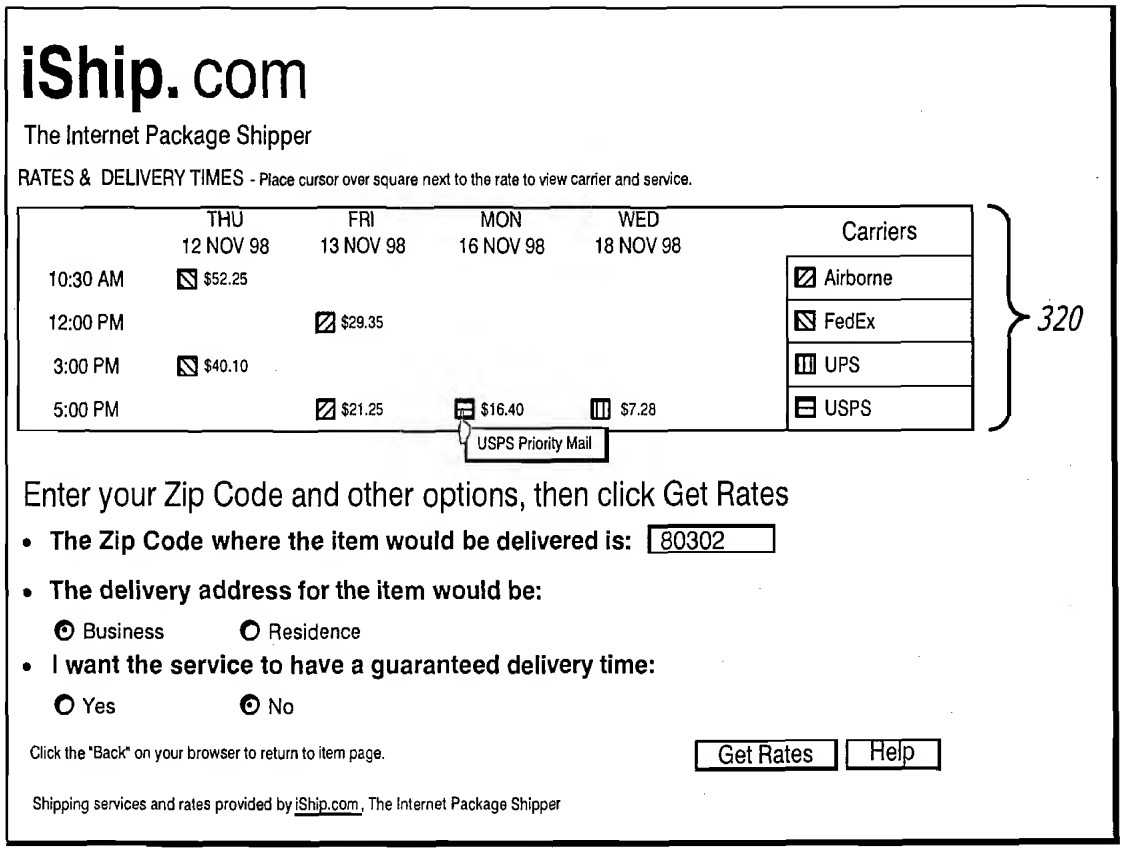



FIG. 40

REPLACEMENT SHEET

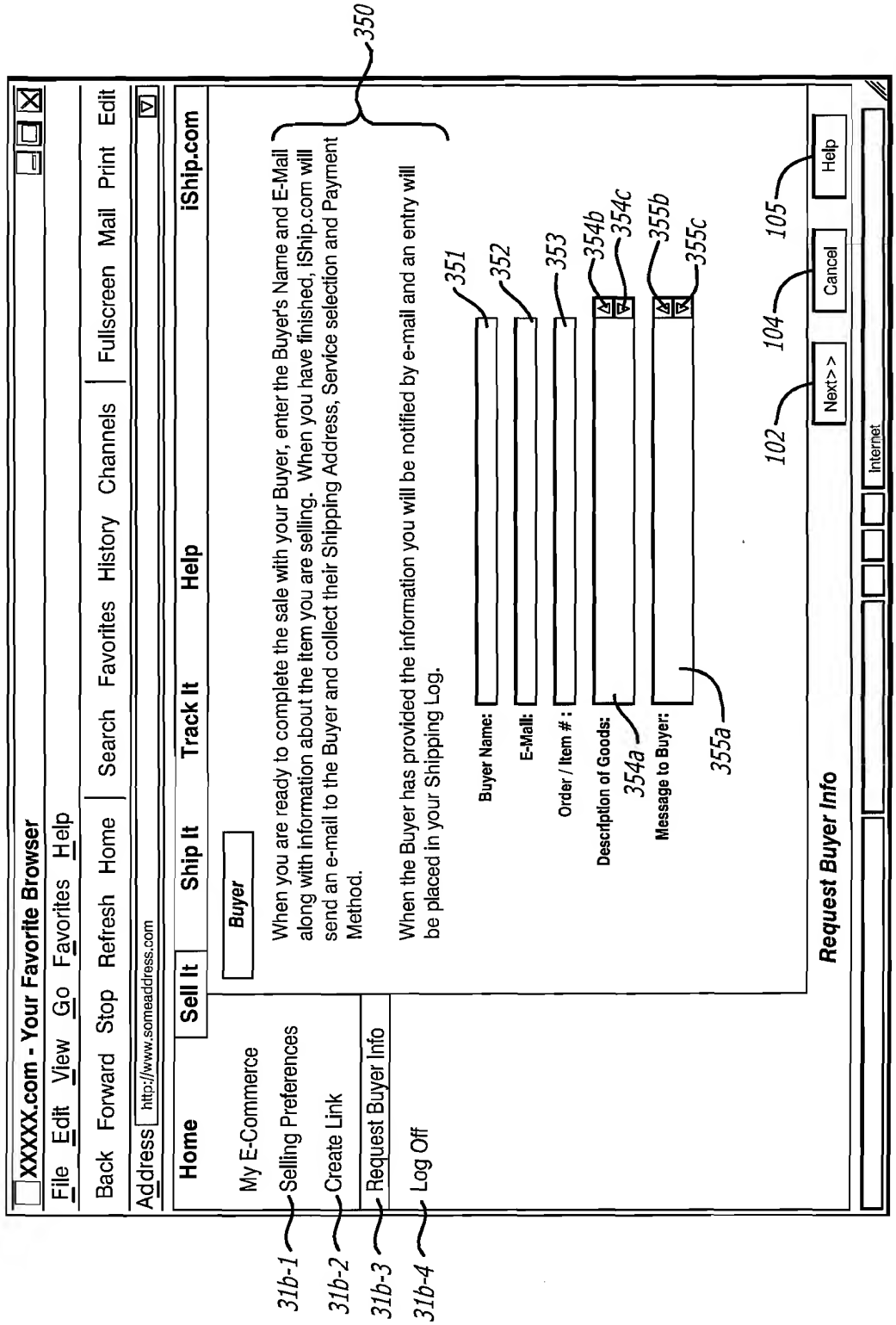

XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home | Search Favorites History Channels | Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
iShip.com
My E-Commerce
Selling Preferences
Create Link
Request Buyer Info
Log Off
Buyer
When you are ready to complete the sale with your Buyer, enter the Buyer's Name and E-Mail along with information about the item you are selling. When you have finished, iShip.com will send an e-mail to the Buyer and collect their Shipping Address, Service selection and Payment Method.
When the Buyer has provided the information you will be notified by e-mail and an entry will be placed in your Shipping Log.
Buyer Name:
E-Mail:
Order / Item # :
Description of Goods:
Message to Buyer:
Request Buyer Info
Next>>
Cancel
Help
Internet
350
351
352
353
354a
354b
354c
355a
355b
355c
31b-1
31b-2
31b-3
31b-4
102
104
105

FIG. 41

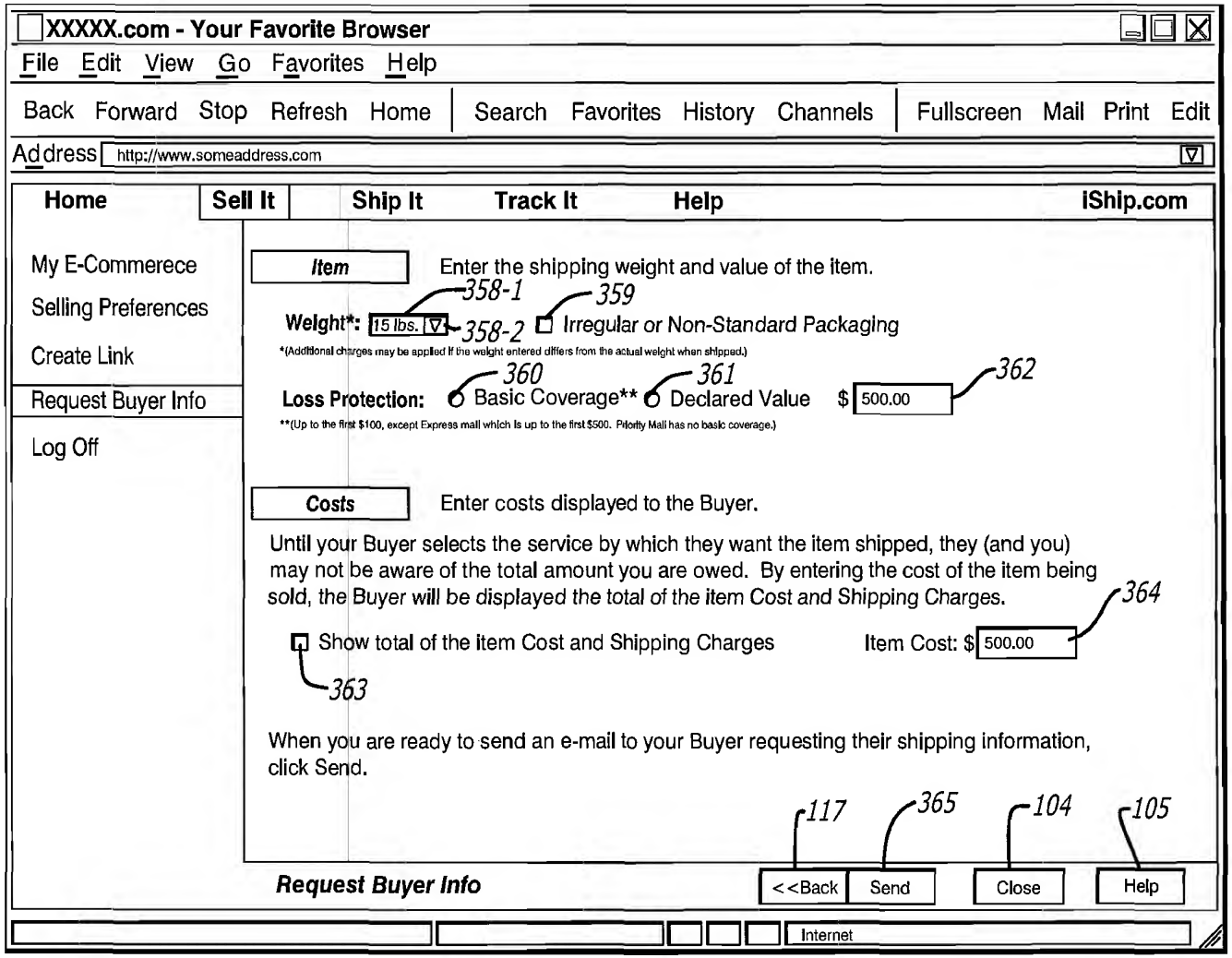



FIG. 42

REPLACEMENT SHEET

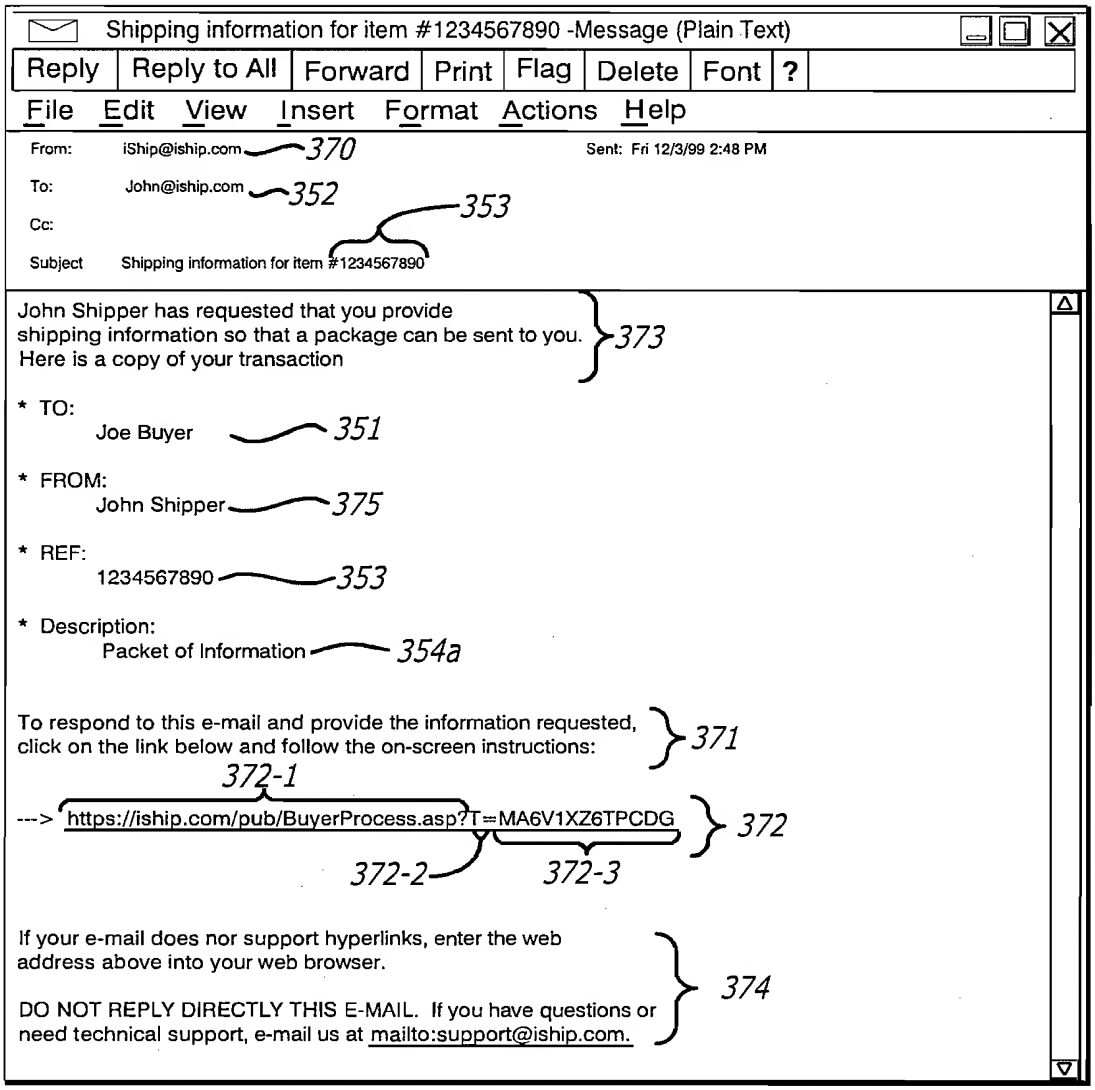

Shipping information for item #1234567890 -Message (Plain Text)
Reply
Reply to All
Forward
Print
Flag
Delete
Font
?
File Edit View Insert Format Actions Help
From: iShip@iship.com 370
Sent: Fri 12/3/99 2:48 PM
To: John@iship.com 352
Cc:
Subject Shipping information for item #1234567890 353
John Shipper has requested that you provide shipping information so that a package can be sent to you. Here is a copy of your transaction 373
* TO: Joe Buyer 351
* FROM: John Shipper 375
* REF: 1234567890 353
* Description: Packet of Information 354a
To respond to this e-mail and provide the information requested, click on the link below and follow the on-screen instructions: 371
372-1
---> https://iship.com/pub/BuyerProcess.asp?T=MA6V1XZ6TPCDG 372
372-2
372-3
If your e-mail does nor support hyperlinks, enter the web address above into your web browser.
DO NOT REPLY DIRECTLY THIS E-MAIL. If you have questions or need technical support, e-mail us at mailto:support@iship.com. 374

FIG. 43

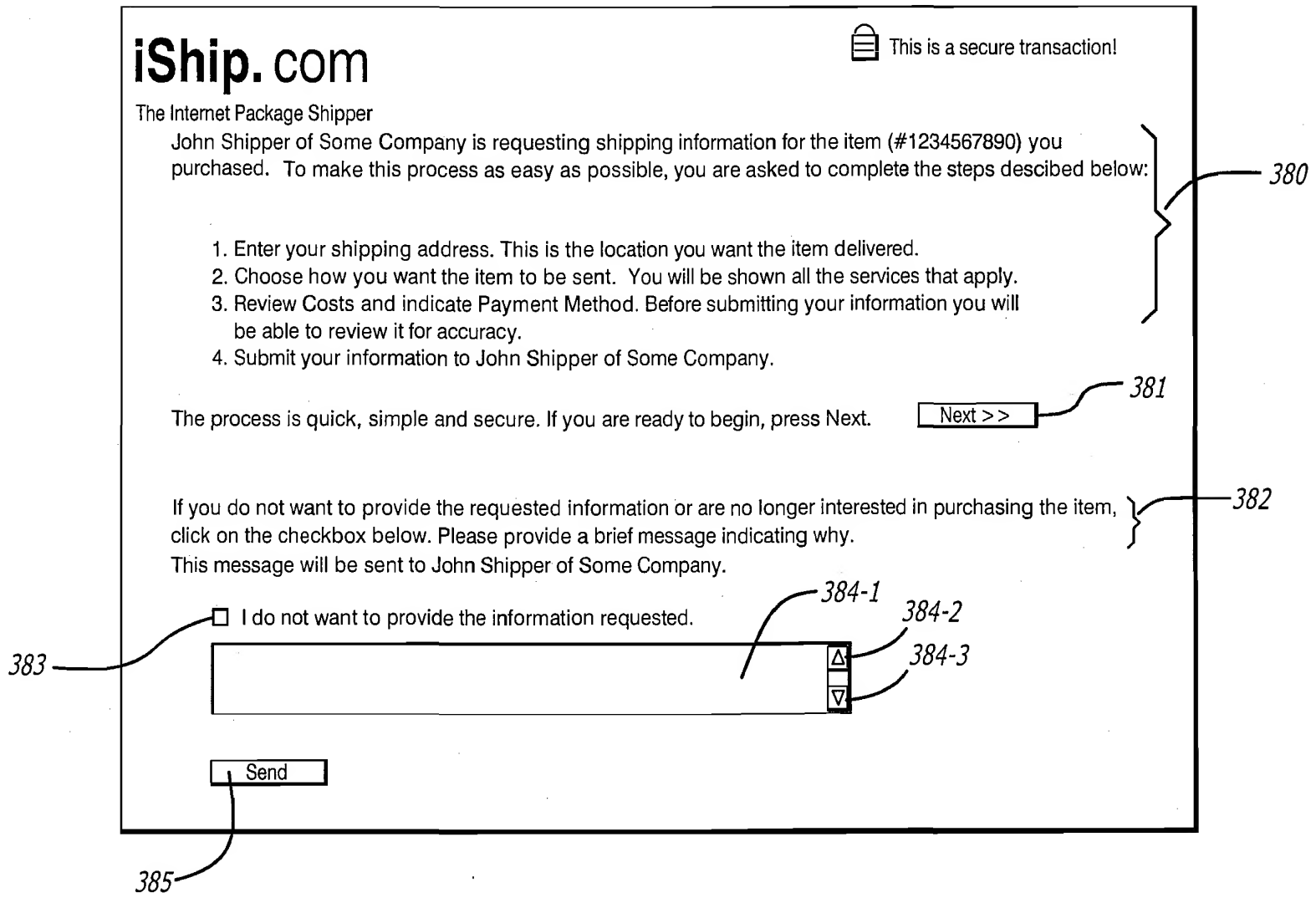



FIG. 44

REPLACEMENT SHEET

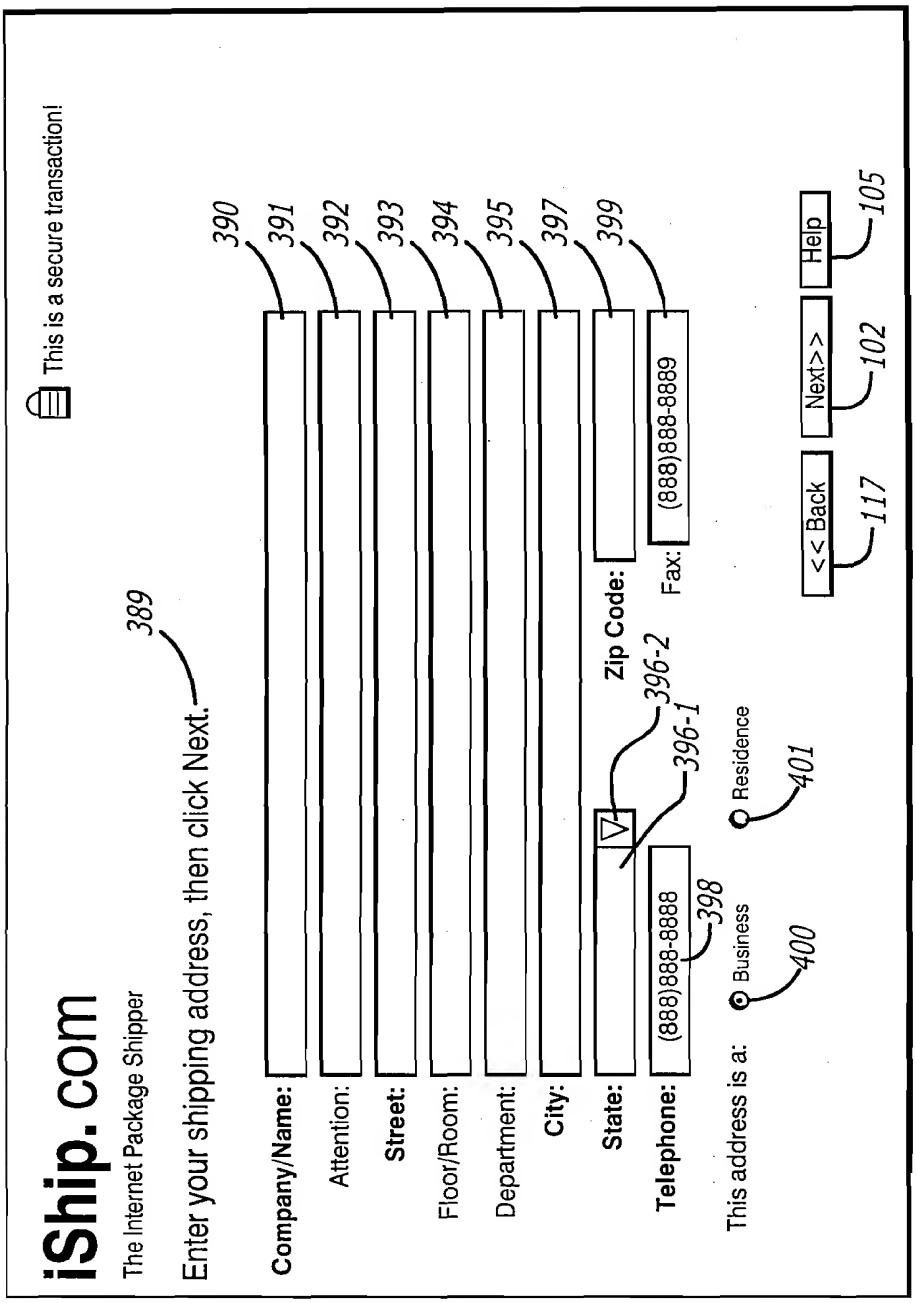

iShip.com
The Internet Package Shipper
This is a secure transaction!
Enter your shipping address, then click Next.
389
Company/Name:
Attention:
Street:
Floor/Room:
Department:
City:
State:
Zip Code:
Telephone:
(888)888-8888
Fax:
(888)888-8889
This address is a:
Business
Residence
<< Back
Next>>
Help
390
391
392
393
394
395
397
399
396-1
396-2
398
400
401
117
102
105

FIG. 45

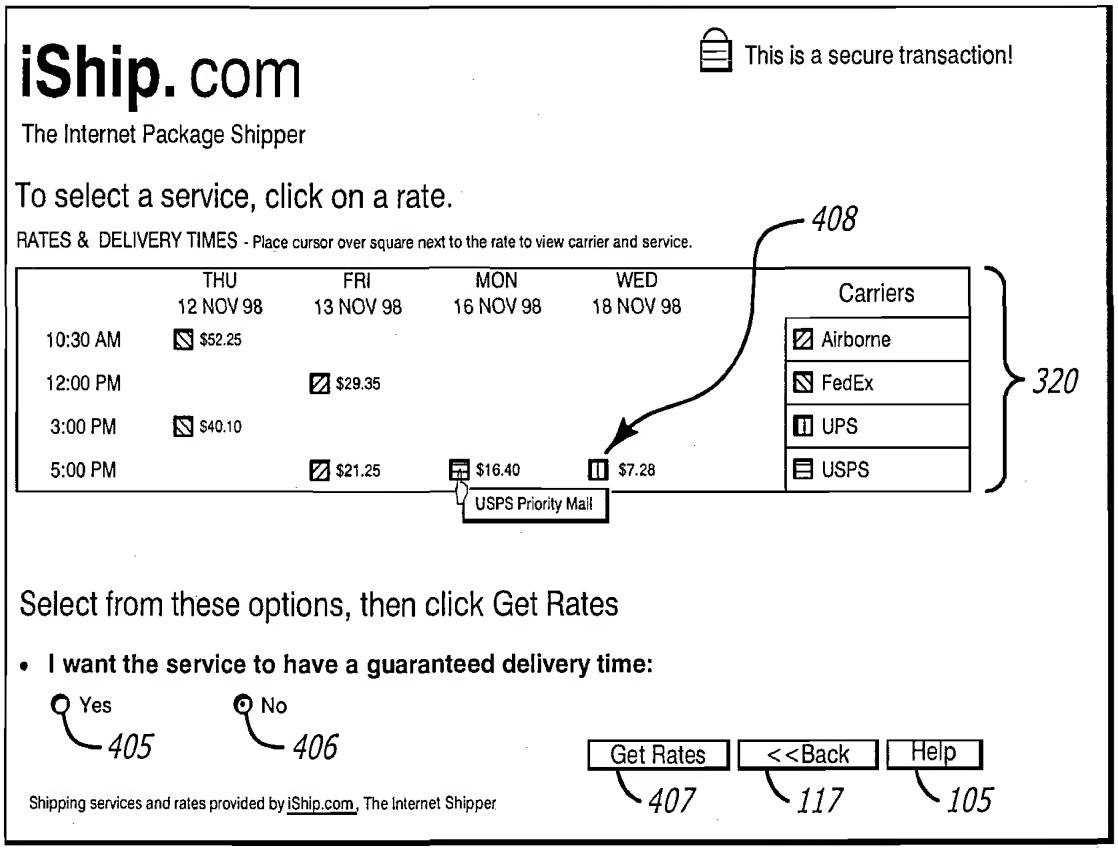



FIG. 46

REPLACEMENT SHEET

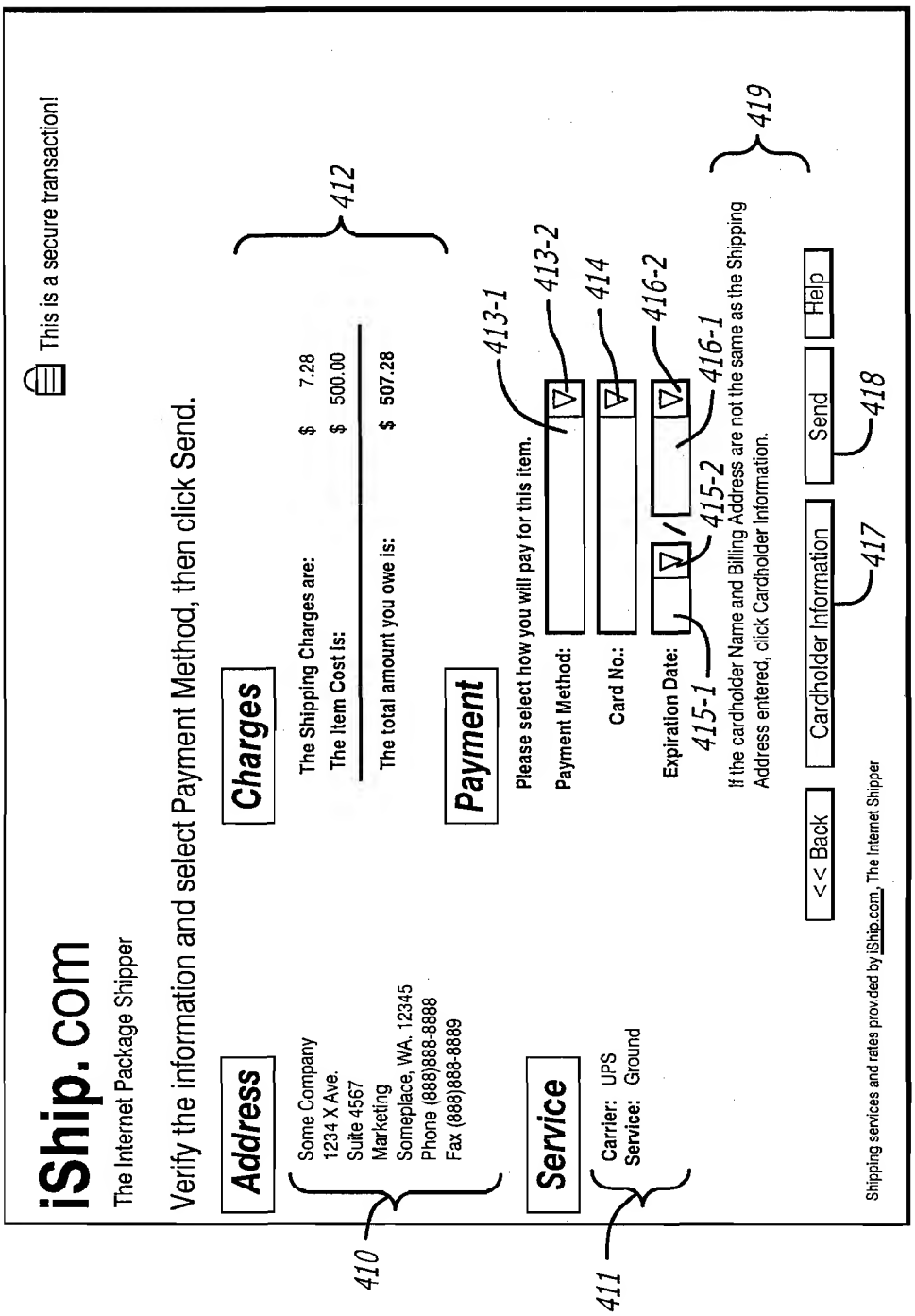

iShip.com
The Internet Package Shipper
This is a secure transaction!
Verify the information and select Payment Method, then click Send.
Address
Some Company
1234 X Ave.
Suite 4567
Marketing
Someplace, WA. 12345
Phone (888)888-8888
Fax (888)888-8889
Service
Carrier: UPS
Service: Ground
Charges
The Shipping Charges are: $ 7.28
The Item Cost Is: $ 500.00
The total amount you owe is: $ 507.28
Payment
Please select how you will pay for this item.
Payment Method:
Card No.:
Expiration Date:
If the cardholder Name and Billing Address are not the same as the Shipping Address entered, click Cardholder Information.
<< Back
Cardholder Information
Send
Help
Shipping services and rates provided by iShip.com, The Internet Shipper
410
411
412
413-1
413-2
414
415-1
415-2
416-1
416-2
417
418
419

FIG. 47

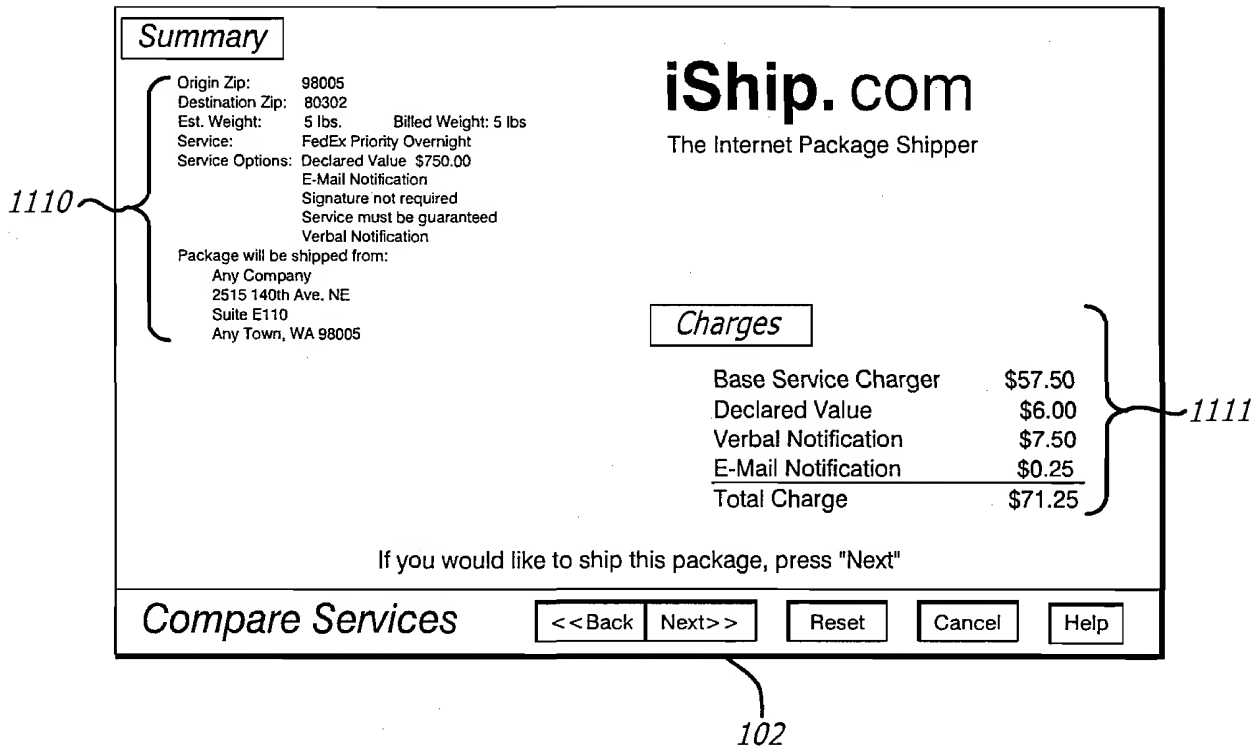

Summary
Origin Zip: 98005
Destination Zip: 80302
Est. Weight: 5 lbs. Billed Weight: 5 lbs
Service: FedEx Priority Overnight
Service Options: Declared Value $750.00
E-Mail Notification
Signature not required
Service must be guaranteed
Verbal Notification
Package will be shipped from:
Any Company
2515 140th Ave. NE
Suite E110
Any Town, WA 98005
1110
iShip.com
The Internet Package Shipper
Charges
Base Service Charger $57.50
Declared Value $6.00
Verbal Notification $7.50
E-Mail Notification $0.25
Total Charge $71.25
1111
If you would like to ship this package, press "Next"
Compare Services
<<Back
Next>>
Reset
Cancel
Help
102

FIG. 48

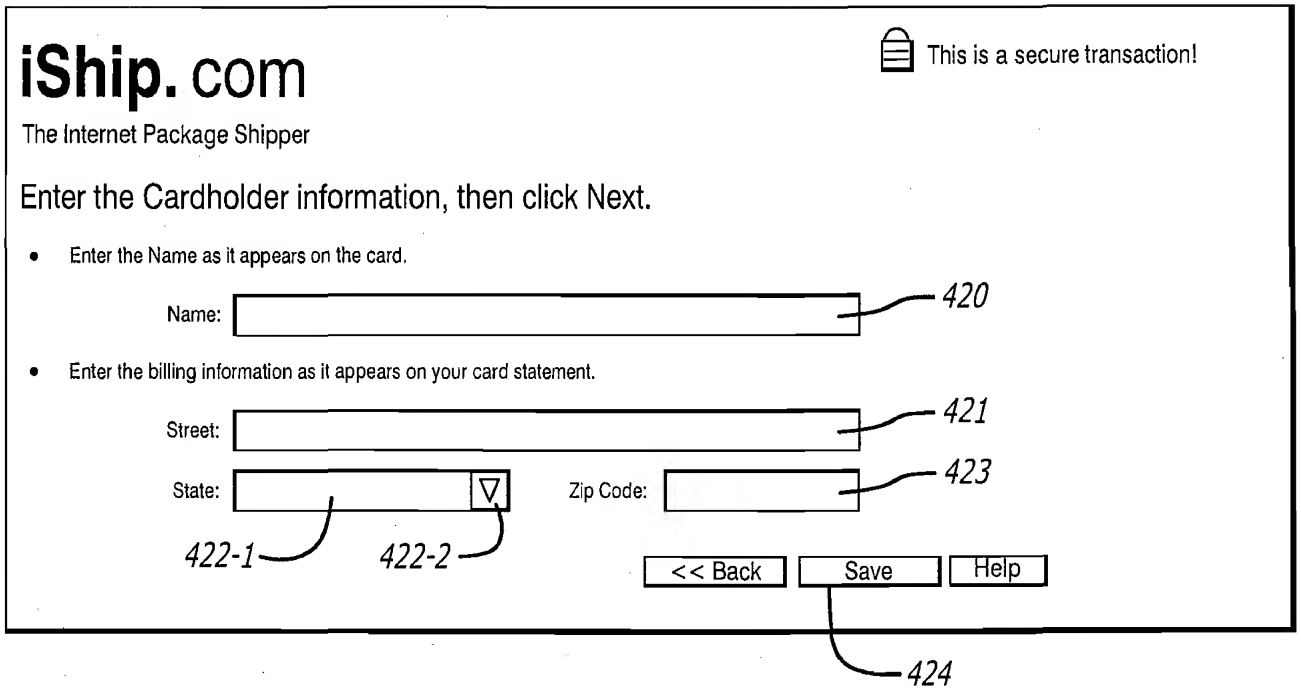



FIG. 49

REPLACEMENT SHEET

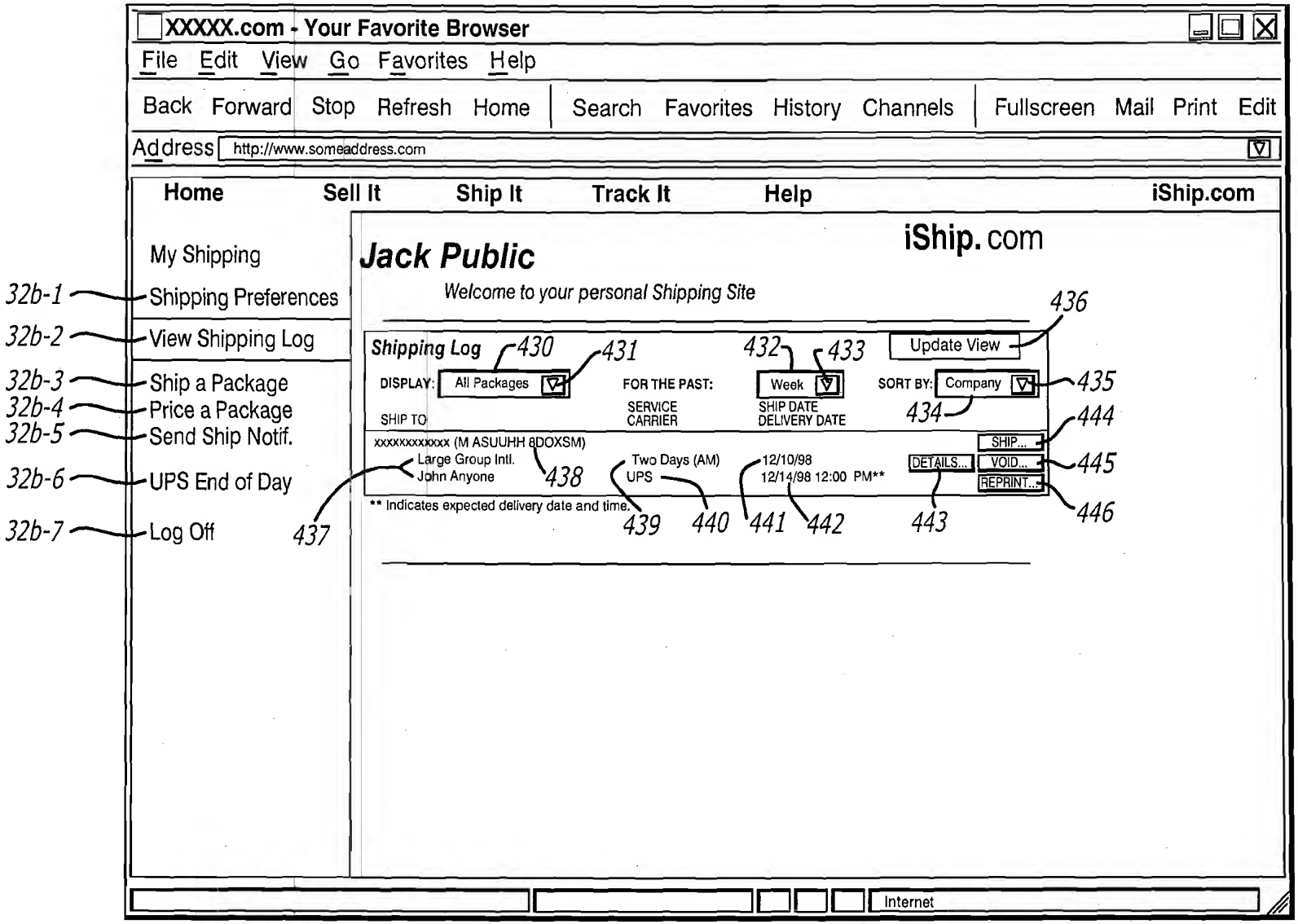



FIG. 50

REPLACEMENT SHEET

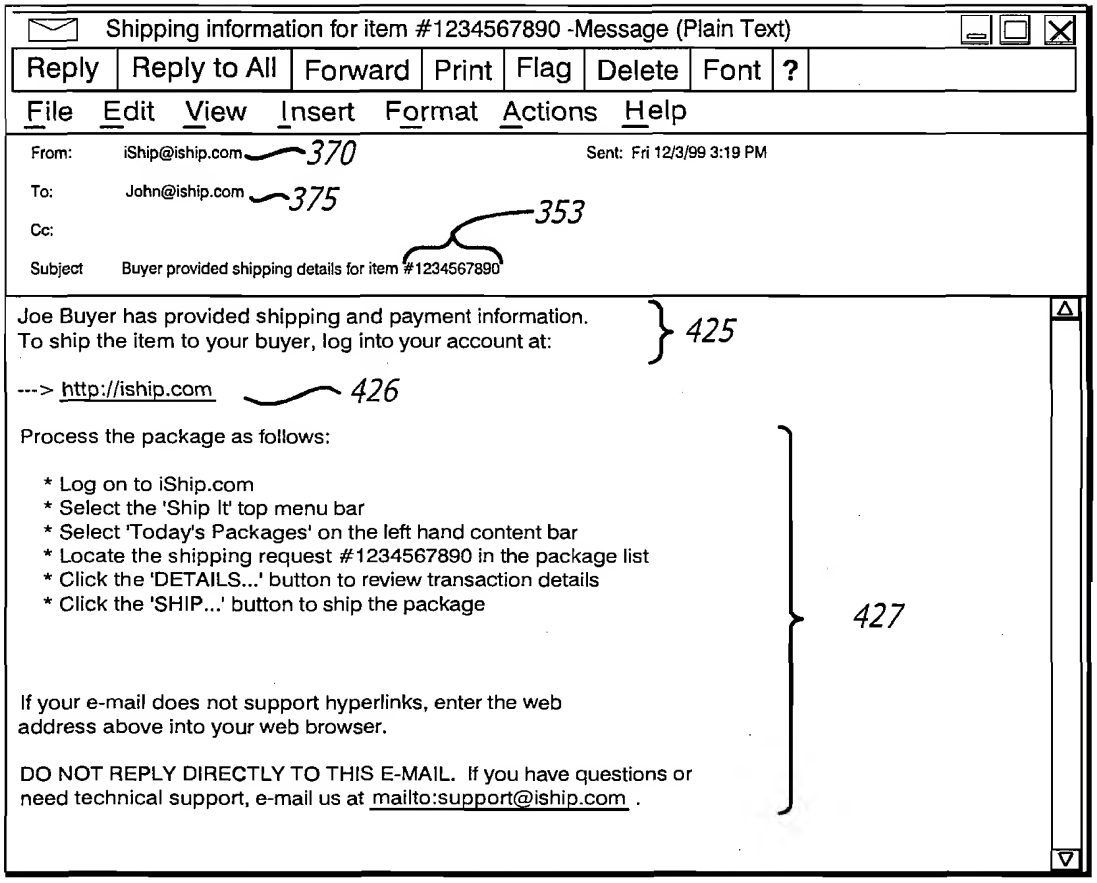

Shipping information for item #1234567890 -Message (Plain Text)
Reply
Reply to All
Forward
Print
Flag
Delete
Font
?
File Edit View Insert Format Actions Help
From: iShip@iship.com
370
Sent: Fri 12/3/99 3:19 PM
To: John@iship.com
375
Cc:
353
Subject Buyer provided shipping details for item #1234567890
Joe Buyer has provided shipping and payment information.
To ship the item to your buyer, log into your account at:
425
---> http://iship.com
426
Process the package as follows:
* Log on to iShip.com
* Select the 'Ship It' top menu bar
* Select 'Today's Packages' on the left hand content bar
* Locate the shipping request #1234567890 in the package list
* Click the 'DETAILS...' button to review transaction details
* Click the 'SHIP...' button to ship the package
427
If your e-mail does not support hyperlinks, enter the web address above into your web browser.
DO NOT REPLY DIRECTLY TO THIS E-MAIL. If you have questions or need technical support, e-mail us at mailto:support@iship.com .

FIG. 51

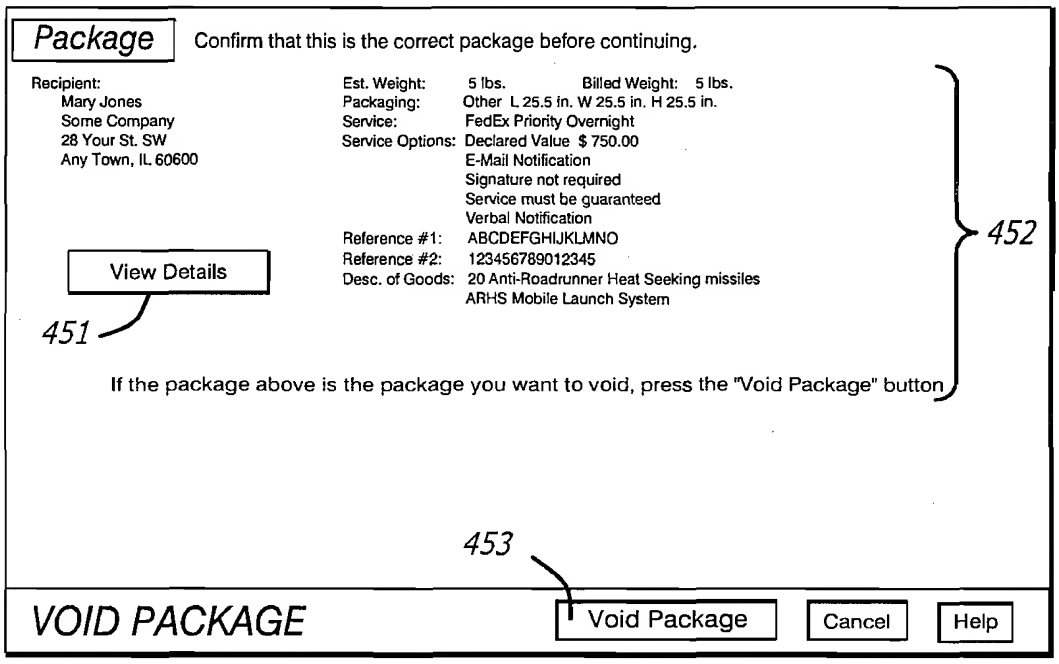

Package
Confirm that this is the correct package before continuing.
Recipient:
Mary Jones
Some Company
28 Your St. SW
Any Town, IL 60600
Est. Weight: 5 lbs. Billed Weight: 5 lbs.
Packaging: Other L 25.5 in. W 25.5 in. H 25.5 in.
Service: FedEx Priority Overnight
Service Options: Declared Value $ 750.00
E-Mail Notification
Signature not required
Service must be guaranteed
Verbal Notification
Reference #1: ABCDEFGHIJKLMNO
Reference #2: 123456789012345
Desc. of Goods: 20 Anti-Roadrunner Heat Seeking missiles
ARHS Mobile Launch System
View Details
451
452
If the package above is the package you want to void, press the "Void Package" button
453
VOID PACKAGE
Void Package
Cancel
Help

FIG. 52

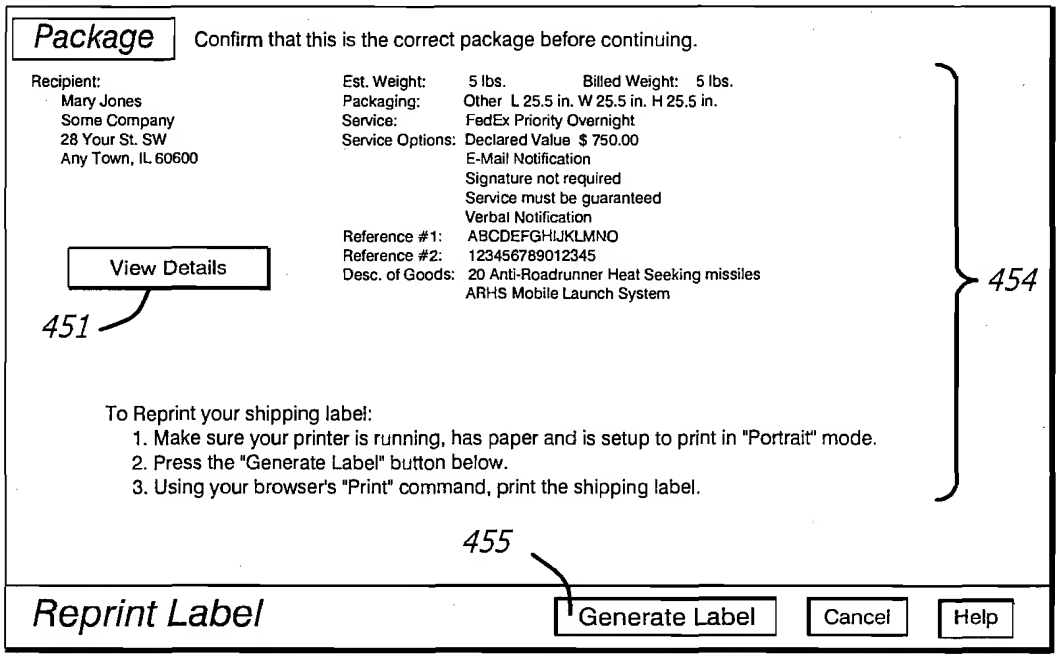
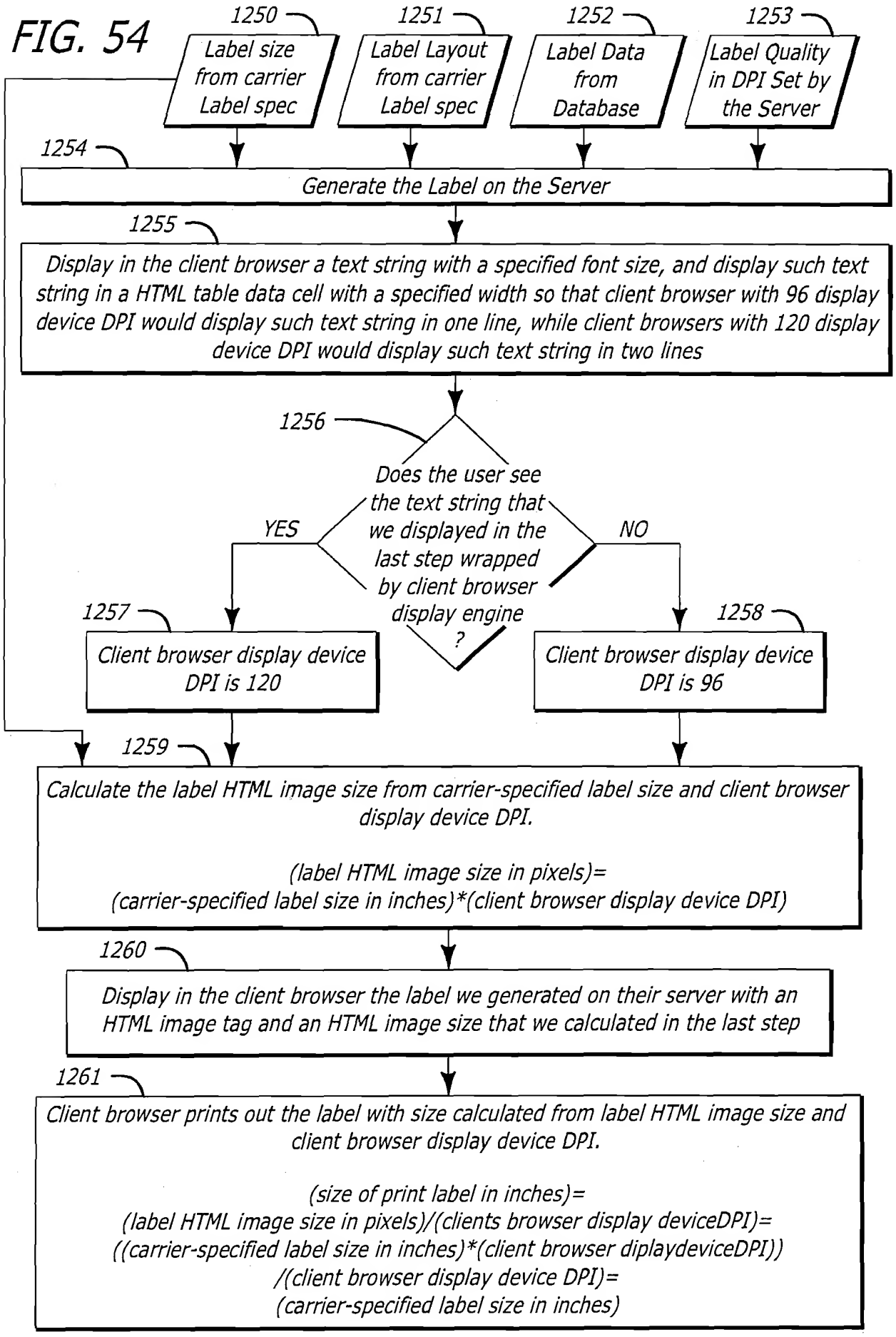

Package
Confirm that this is the correct package before continuing.
Recipient:
Mary Jones
Some Company
28 Your St. SW
Any Town, IL 60600
Est. Weight: 5 lbs. Billed Weight: 5 lbs.
Packaging: Other L 25.5 in. W 25.5 in. H 25.5 in.
Service: FedEx Priority Overnight
Service Options: Declared Value $ 750.00
E-Mail Notification
Signature not required
Service must be guaranteed
Verbal Notification
Reference #1: ABCDEFGHIJKLMNO
Reference #2: 123456789012345
Desc. of Goods: 20 Anti-Roadrunner Heat Seeking missiles
ARHS Mobile Launch System
View Details
451
454
To Reprint your shipping label:
1. Make sure your printer is running, has paper and is setup to print in "Portrait" mode.
2. Press the "Generate Label" button below.
3. Using your browser's "Print" command, print the shipping label.
455
Reprint Label
Generate Label
Cancel
Help

FIG. 53

FIG. 54


1250
Label size from carrier Label spec
1251
Label Layout from carrier Label spec
1252
Label Data from Database
1253
Label Quality in DPI Set by the Server
1254
Generate the Label on the Server
1255
Display in the client browser a text string with a specified font size, and display such text string in a HTML table data cell with a specified width so that client browser with 96 display device DPI would display such text string in one line, while client browsers with 120 display device DPI would display such text string in two lines
1256
Does the user see the text string that we displayed in the last step wrapped by client browser display engine ?
YES
NO
1257
Client browser display device DPI is 120
1258
Client browser display device DPI is 96
1259
Calculate the label HTML image size from carrier-specified label size and client browser display device DPI.
(label HTML image size in pixels)=
(carrier-specified label size in inches)*(client browser display device DPI)
1260
Display in the client browser the label we generated on their server with an HTML image tag and an HTML image size that we calculated in the last step
1261
Client browser prints out the label with size calculated from label HTML image size and client browser display device DPI.
(size of print label in inches)=
(label HTML image size in pixels)/(clients browser display deviceDPI)=
((carrier-specified label size in inches)*(client browser diplaydeviceDPI))
/(client browser display device DPI)=
(carrier-specified label size in inches)

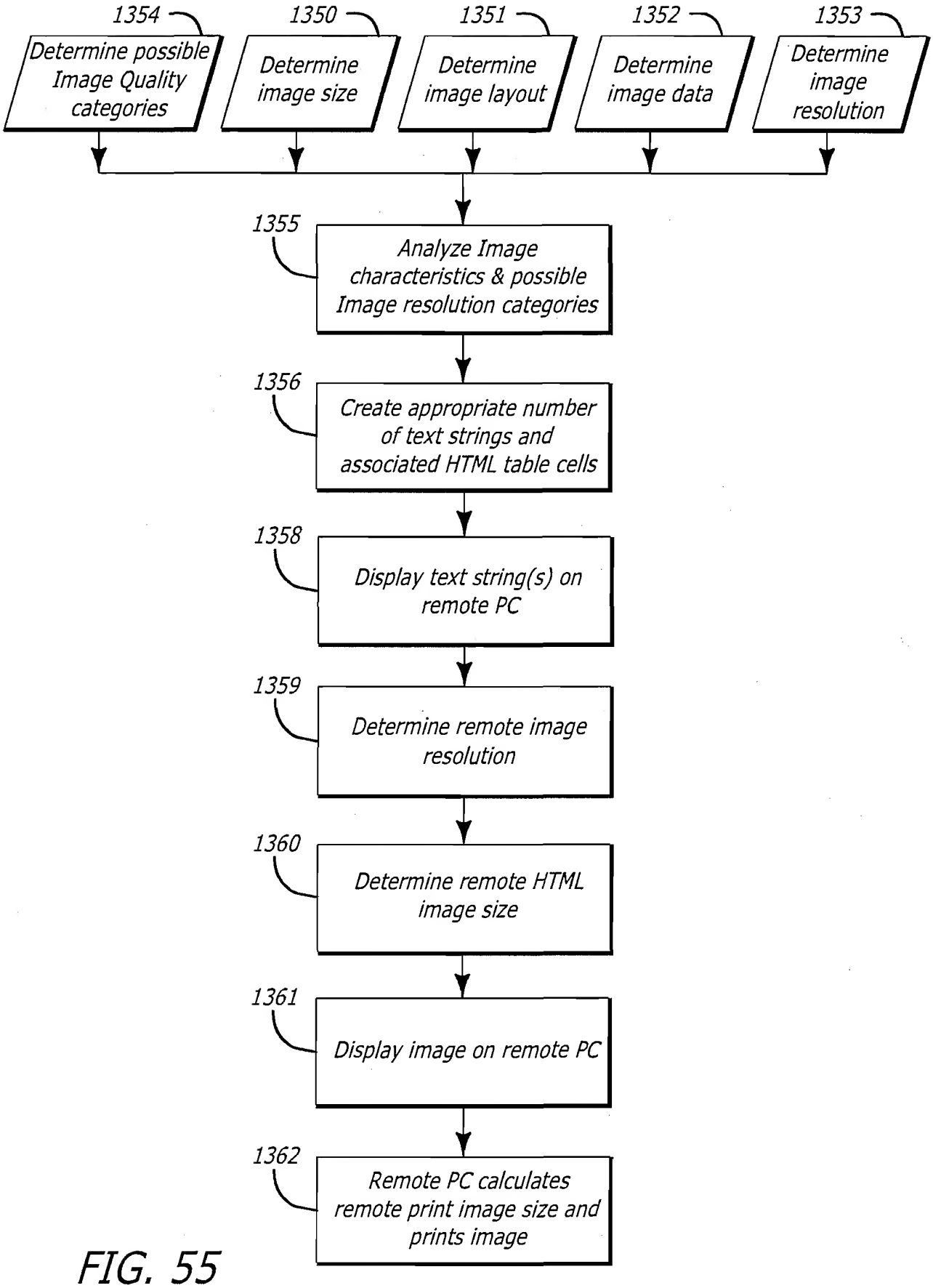

1354
Determine possible Image Quality categories
1350
Determine image size
1351
Determine image layout
1352
Determine image data
1353
Determine image resolution
1355
Analyze Image characteristics & possible Image resolution categories
1356
Create appropriate number of text strings and associated HTML table cells
1358
Display text string(s) on remote PC
1359
Determine remote image resolution
1360
Determine remote HTML image size
1361
Display image on remote PC
1362
Remote PC calculates remote print image size and prints image

FIG. 55

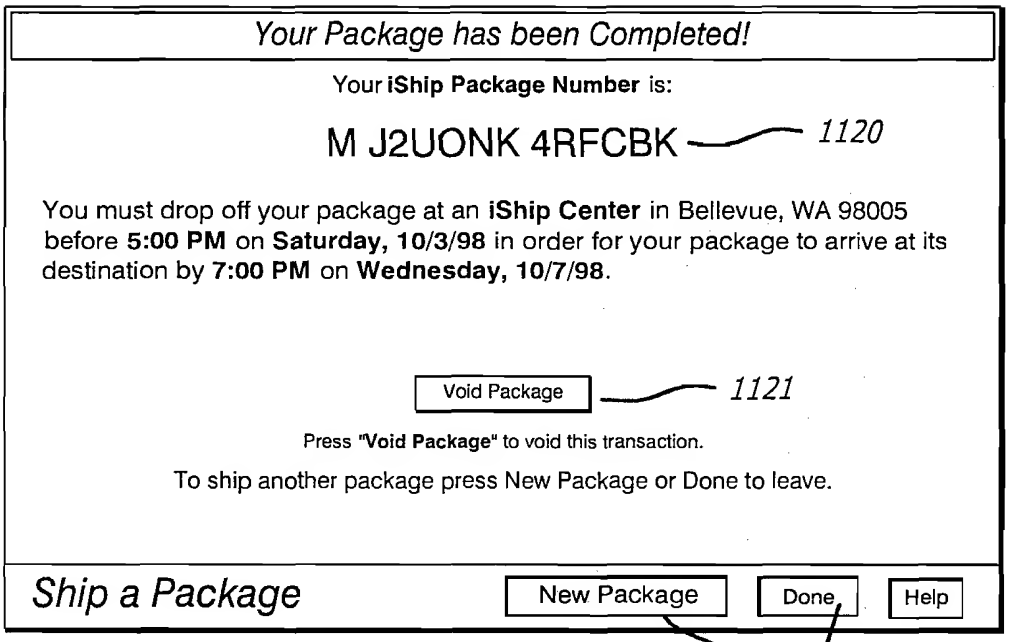

Your Package has been Completed!
Your iShip Package Number is:
M J2UONK 4RFCBK
1120
You must drop off your package at an iShip Center in Bellevue, WA 98005 before 5:00 PM on Saturday, 10/3/98 in order for your package to arrive at its destination by 7:00 PM on Wednesday, 10/7/98.
Void Package
1121
Press "Void Package" to void this transaction.
To ship another package press New Package or Done to leave.
Ship a Package
New Package
Done
Help
1122
1123

FIG. 56

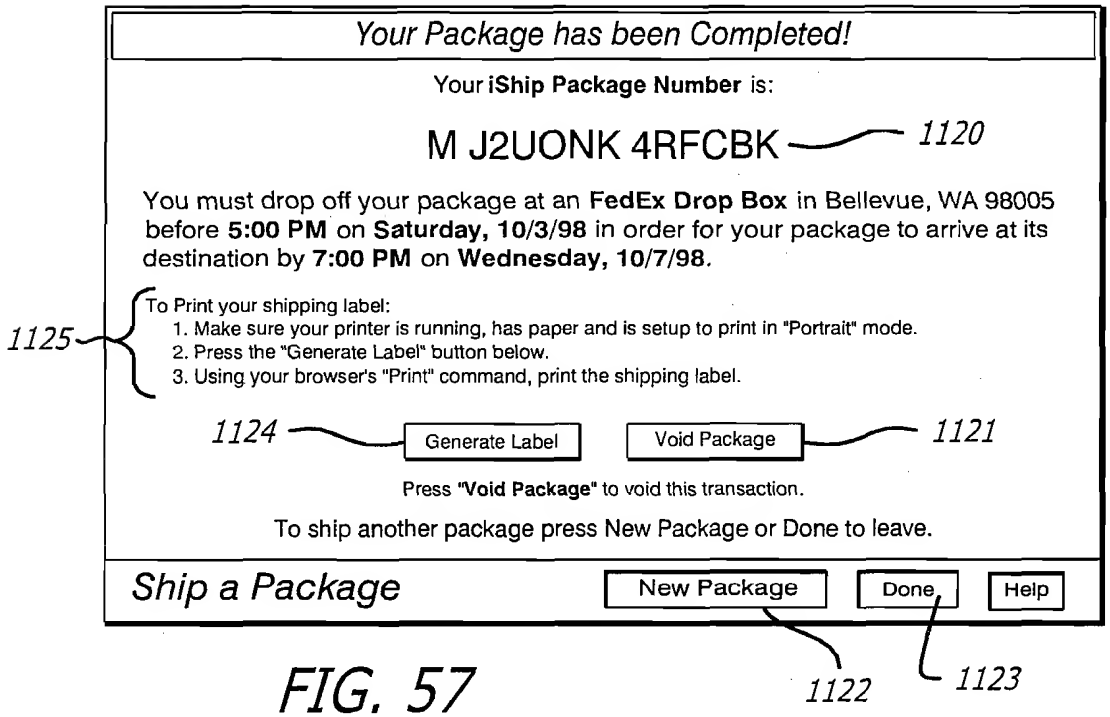

Your Package has been Completed!
Your iShip Package Number is:
M J2UONK 4RFCBK
1120
You must drop off your package at an FedEx Drop Box in Bellevue, WA 98005 before 5:00 PM on Saturday, 10/3/98 in order for your package to arrive at its destination by 7:00 PM on Wednesday, 10/7/98.
1125
To Print your shipping label:
1. Make sure your printer is running, has paper and is setup to print in "Portrait" mode.
2. Press the "Generate Label" button below.
3. Using your browser's "Print" command, print the shipping label.
1124
Generate Label
Void Package
1121
Press "Void Package" to void this transaction.
To ship another package press New Package or Done to leave.
Ship a Package
New Package
Done
Help
1122
1123

FIG. 57

1130
Scroll to Bottom for instructions
ACME INC.
(234) 555-3412
4515 Elm Street NW
Suite B431
Anytown, CA 91354
12 LBS. 1 OF 1
DWT:50.30.12
O/S
AH
SHIP TO:
Joe Receiver
(877) 555-9876
His Company
1234 N. Main Street
Suite E991
Yourtown, AL 20002-1001
REF #1: 12345678901234567890123456789012345
REF #2: 12345678901234567890123456789012345
ISHIP.COM #: MATWV57MQ9TSV
ADULT SIGNATURE REQUIRED
VCD
UPS EARLY A.M.
1+S
TRACKING #: 1Z 337 4W5 42 1234 5678
(420) SHIP TO POSTAL CODE
(420) 98005-1885
iShip 1.00
1131
SHIPPING LABEL PRINTING INSTRUCTIONS
1. Click the Print Label button or use the "Print" command in your browser to print your label.
Print Label
1133
1132
2. Fold or cut the printed page along the line you see above.
3. Place the label in the transparent pouch and affix to your package so that the entire label is visible.
Done
1134

FIG. 58

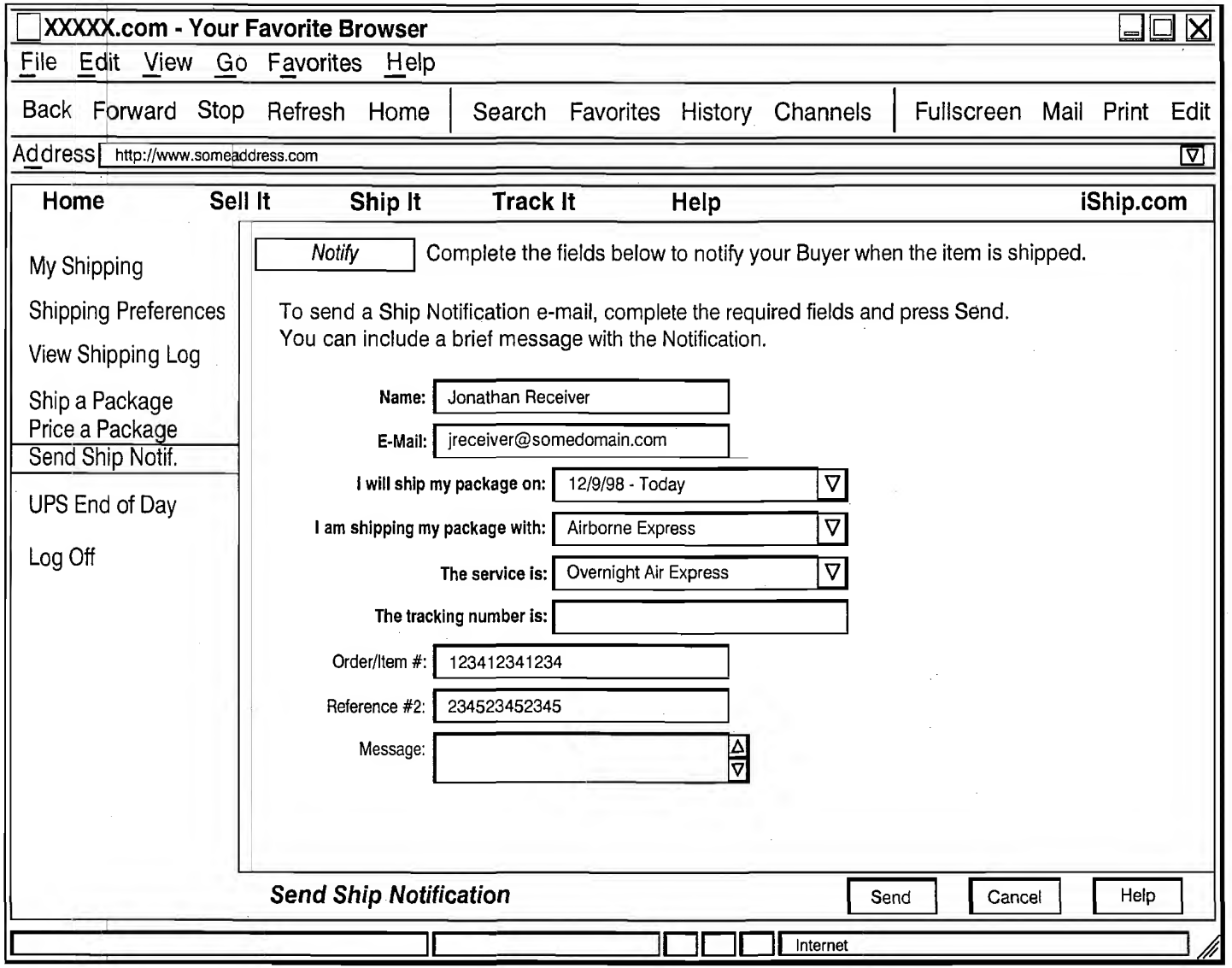



FIG. 59

REPLACEMENT SHEET

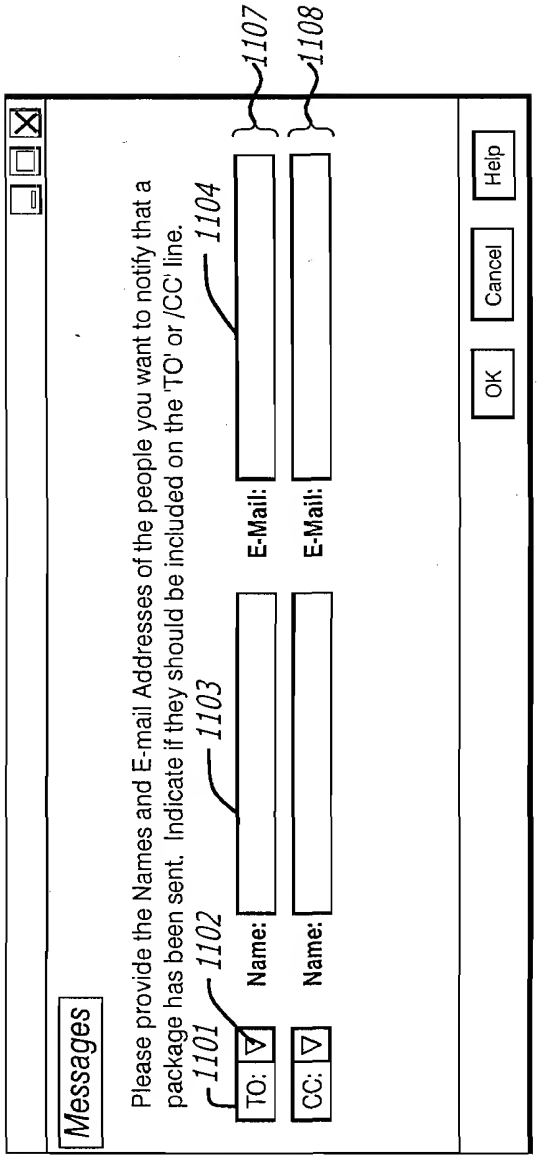

Messages
Please provide the Names and E-mail Addresses of the people you want to notify that a package has been sent. Indicate if they should be included on the 'TO' or /CC' line.
1101
1102
1103
1104
1107
1108
TO:
Name:
E-Mail:
CC:
Name:
E-Mail:
OK
Cancel
Help

FIG. 60

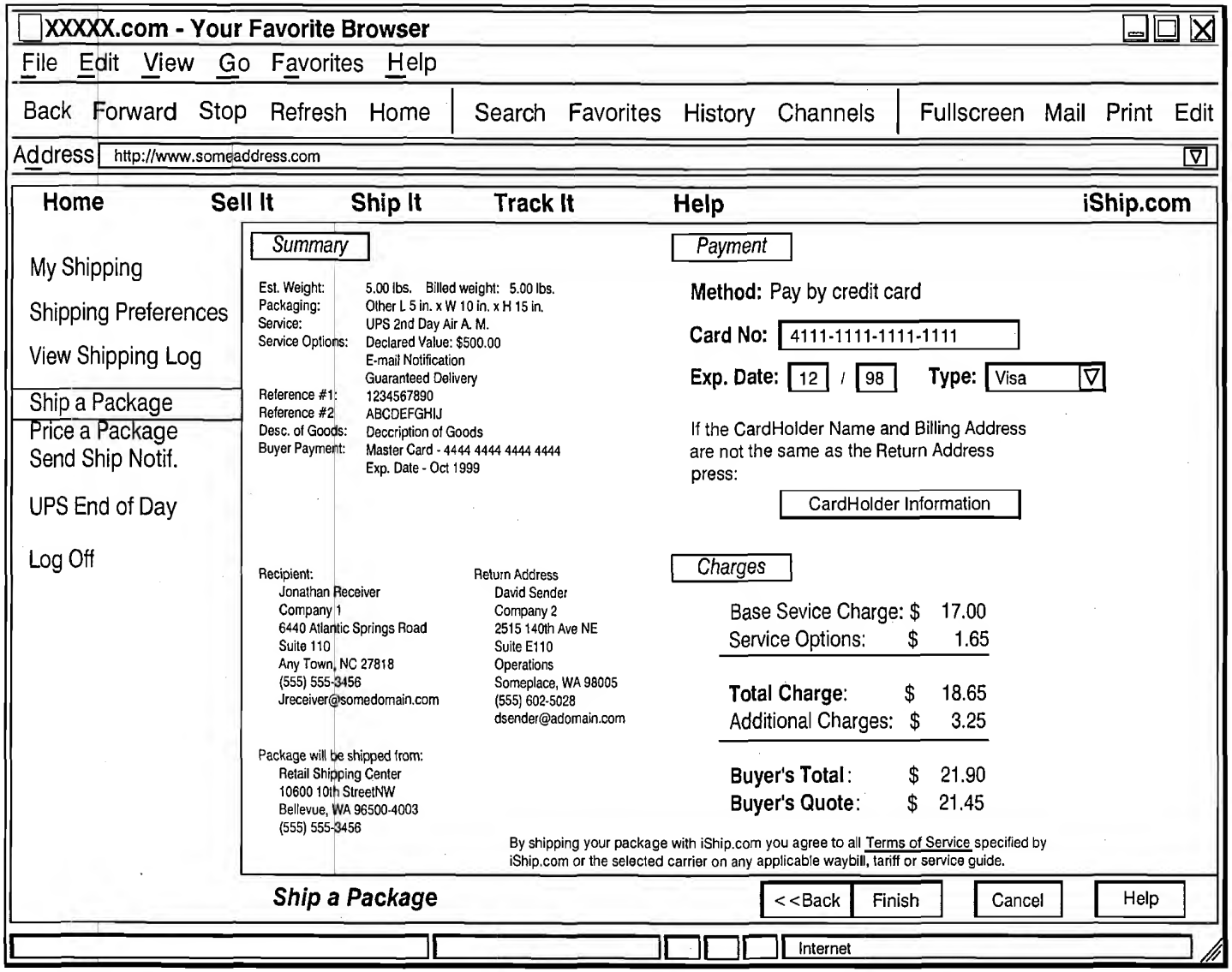



FIG. 61

REPLACEMENT SHEET

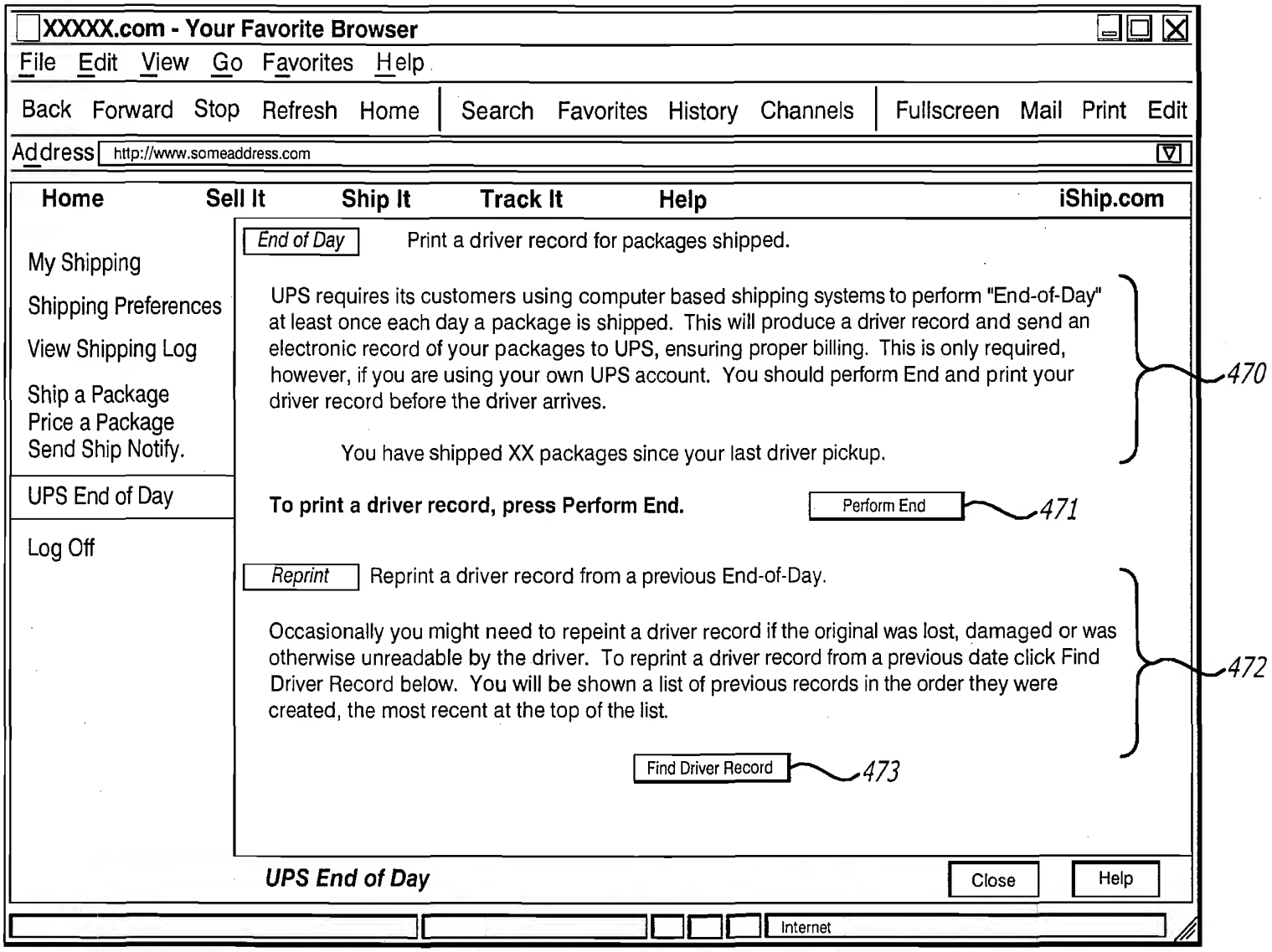



FIG. 62

REPLACEMENT SHEET

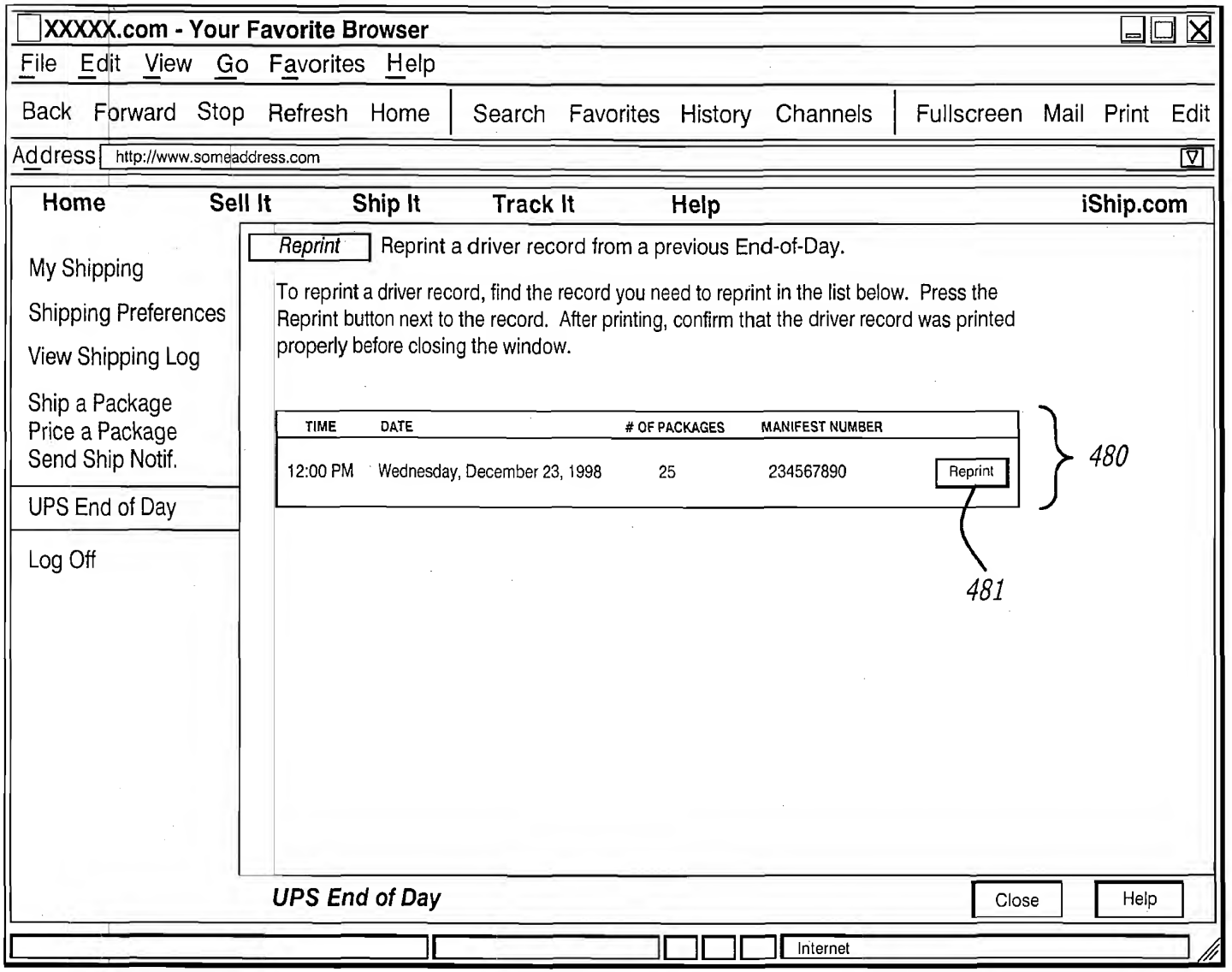
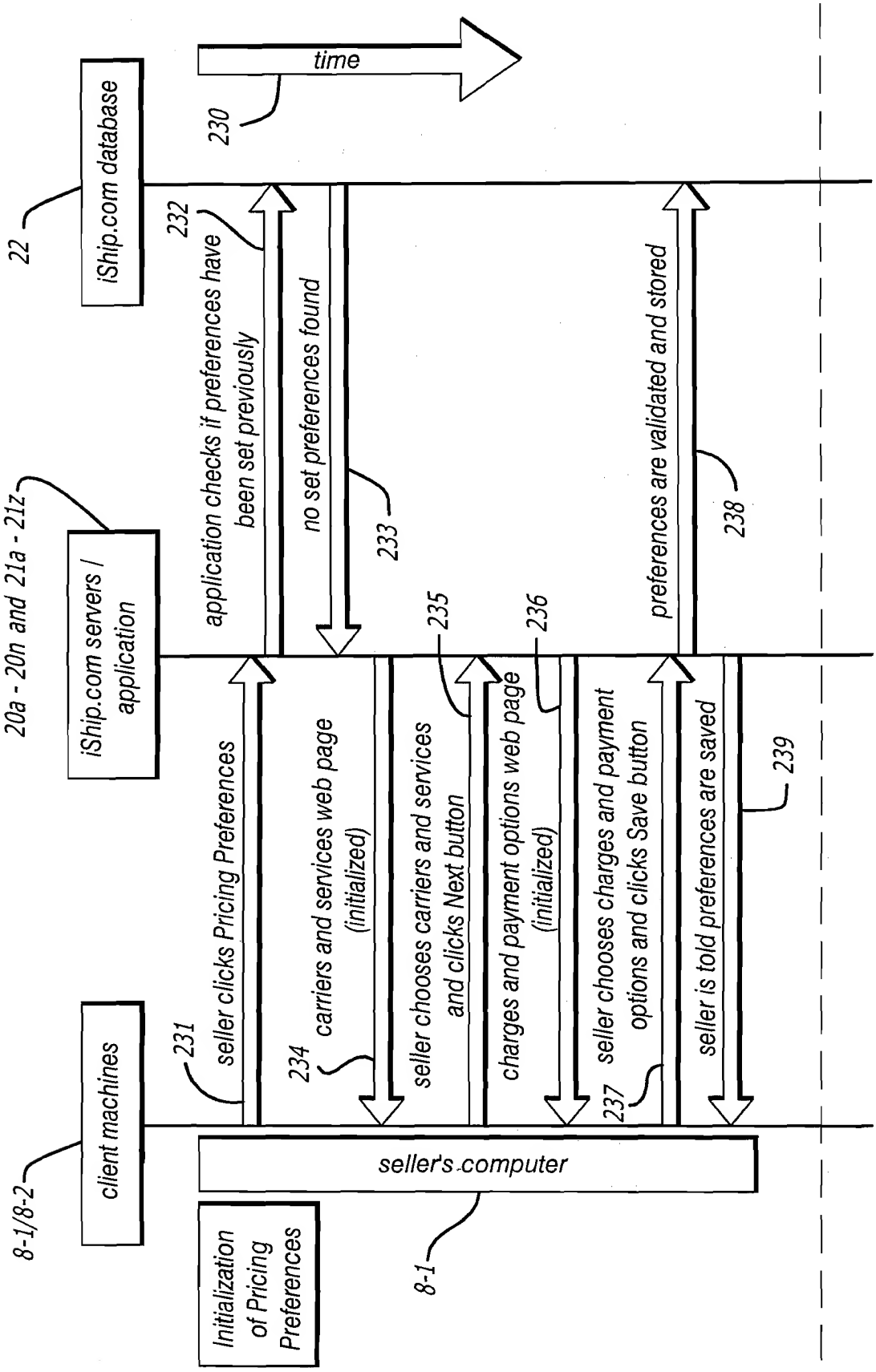



FIG. 63

REPLACEMENT SHEET

FIG. 64a-1


time
230
22
iShip.com database
232
application checks if preferences have been set previously
no set preferences found
233
preferences are validated and stored
238
20a - 20n and 21a - 21z
iShip.com servers / application
235
236
231
seller clicks Pricing Preferences
234
carriers and services web page (initialized)
seller chooses carriers and services and clicks Next button
charges and payment options web page (initialized)
237
seller chooses charges and payment options and clicks Save button
seller is told preferences are saved
239
8-1/8-2
client machines
seller's computer
8-1
Initialization of Pricing Preferences

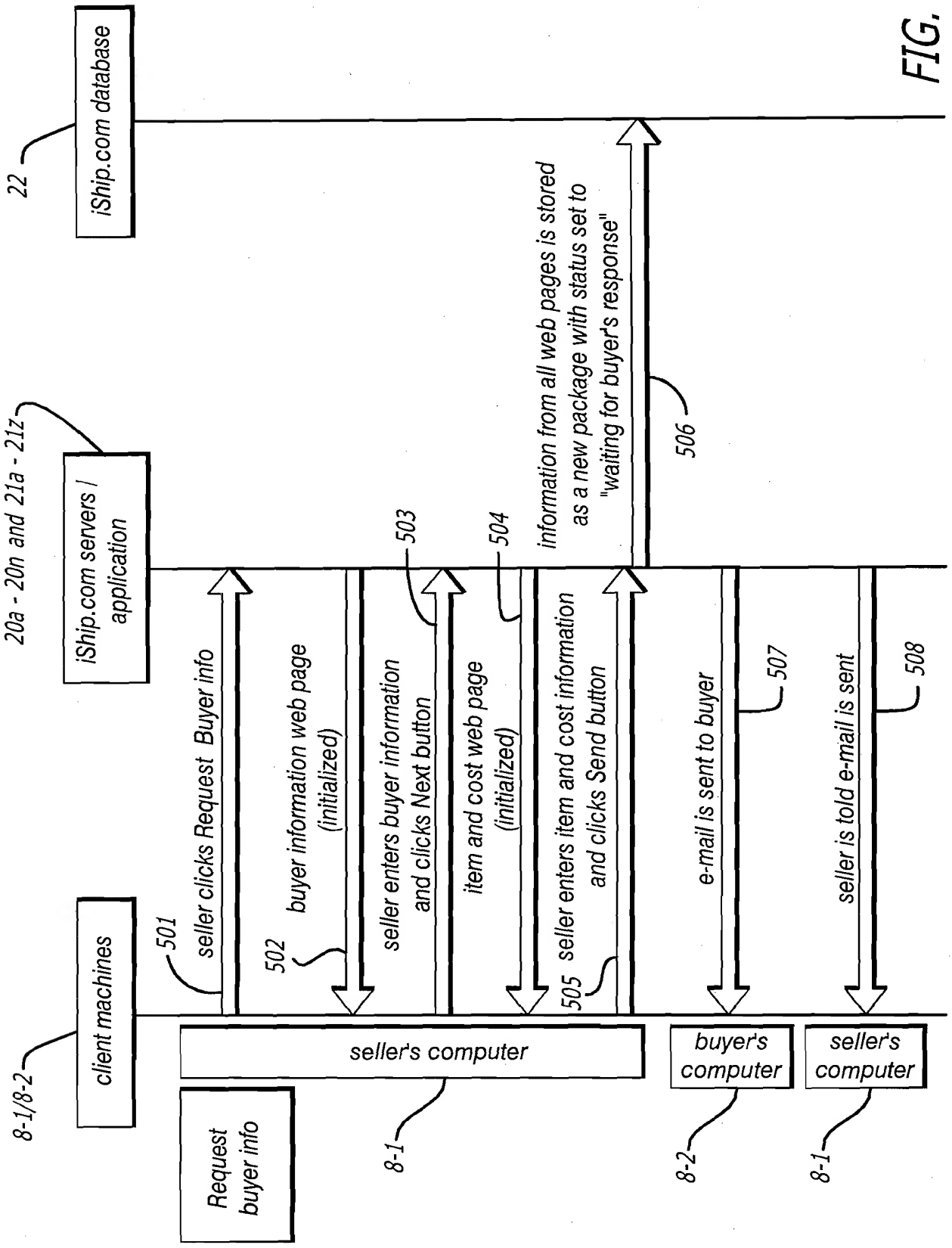

22
iShip.com database
20a - 20n and 21a - 21z
iShip.com servers / application
8-1/8-2
client machines
501
seller clicks Request Buyer info
502
buyer information web page (initialized)
503
seller enters buyer information and clicks Next button
504
item and cost web page (initialized)
505
seller enters item and cost information and clicks Send button
information from all web pages is stored as a new package with status set to "waiting for buyer's response"
506
e-mail is sent to buyer
507
seller is told e-mail is sent
508
Request buyer info
seller's computer
8-1
buyer's computer
8-2
seller's computer
8-1

FIG. 64a-2

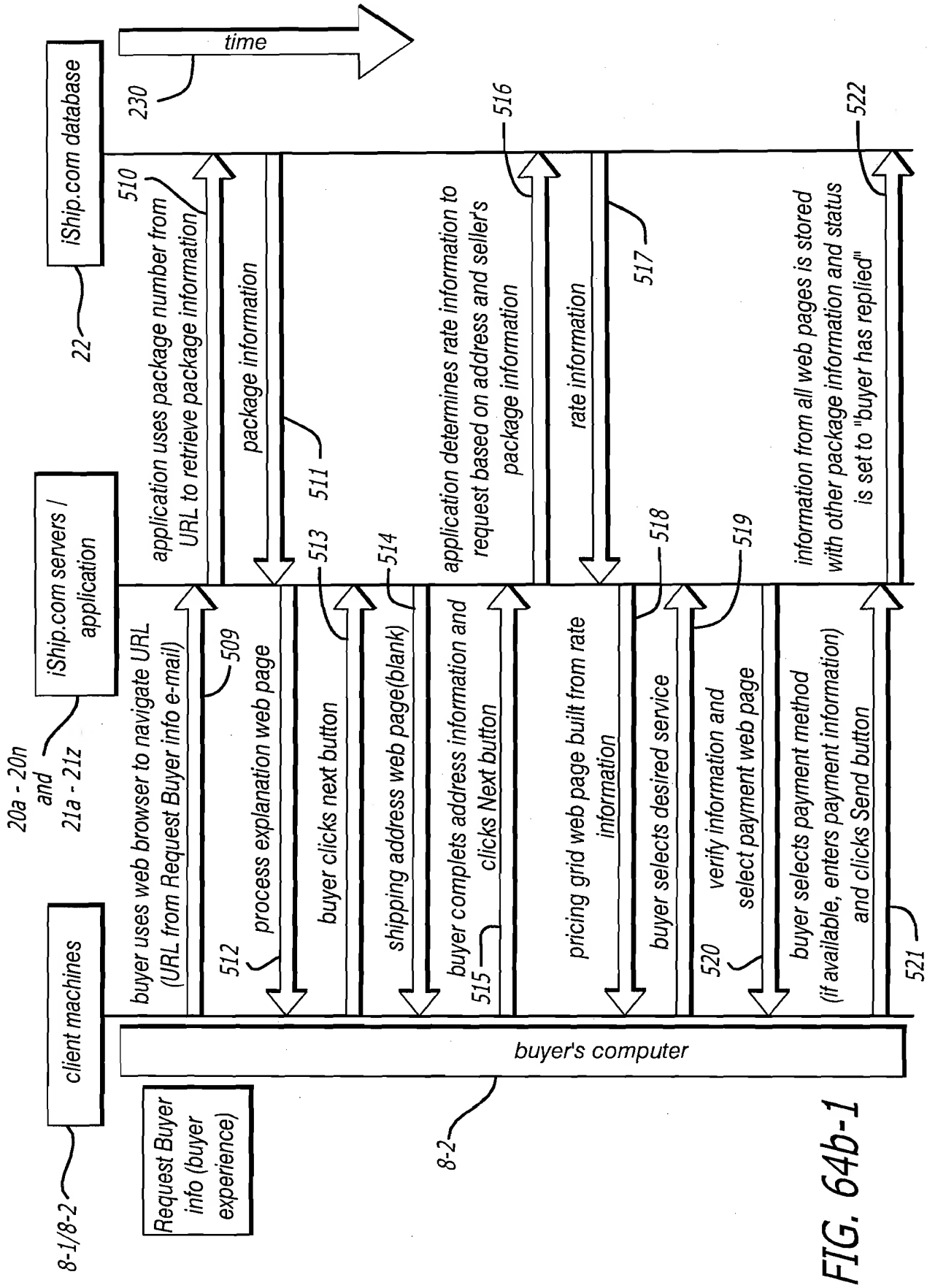

time
230
iShip.com database
22
iShip.com servers / application
20a - 20n and 21a - 21z
client machines
8-1/8-2
buyer's computer
8-2
Request Buyer info (buyer experience)
buyer uses web browser to navigate URL (URL from Request Buyer info e-mail)
509
process explanation web page
512
application uses package number from URL to retrieve package information
510
package information
511
buyer clicks next button
513
shipping address web page(blank)
514
buyer completes address information and clicks Next button
515
application determines rate information to request based on address and seller's package information
516
pricing grid web page built from rate information
rate information
517
buyer selects desired service
518
verify information and select payment web page
519
520
buyer selects payment method (if available, enters payment information) and clicks Send button
521
information from all web pages is stored with other package information and status is set to "buyer has replied"
522

FIG. 64b-1

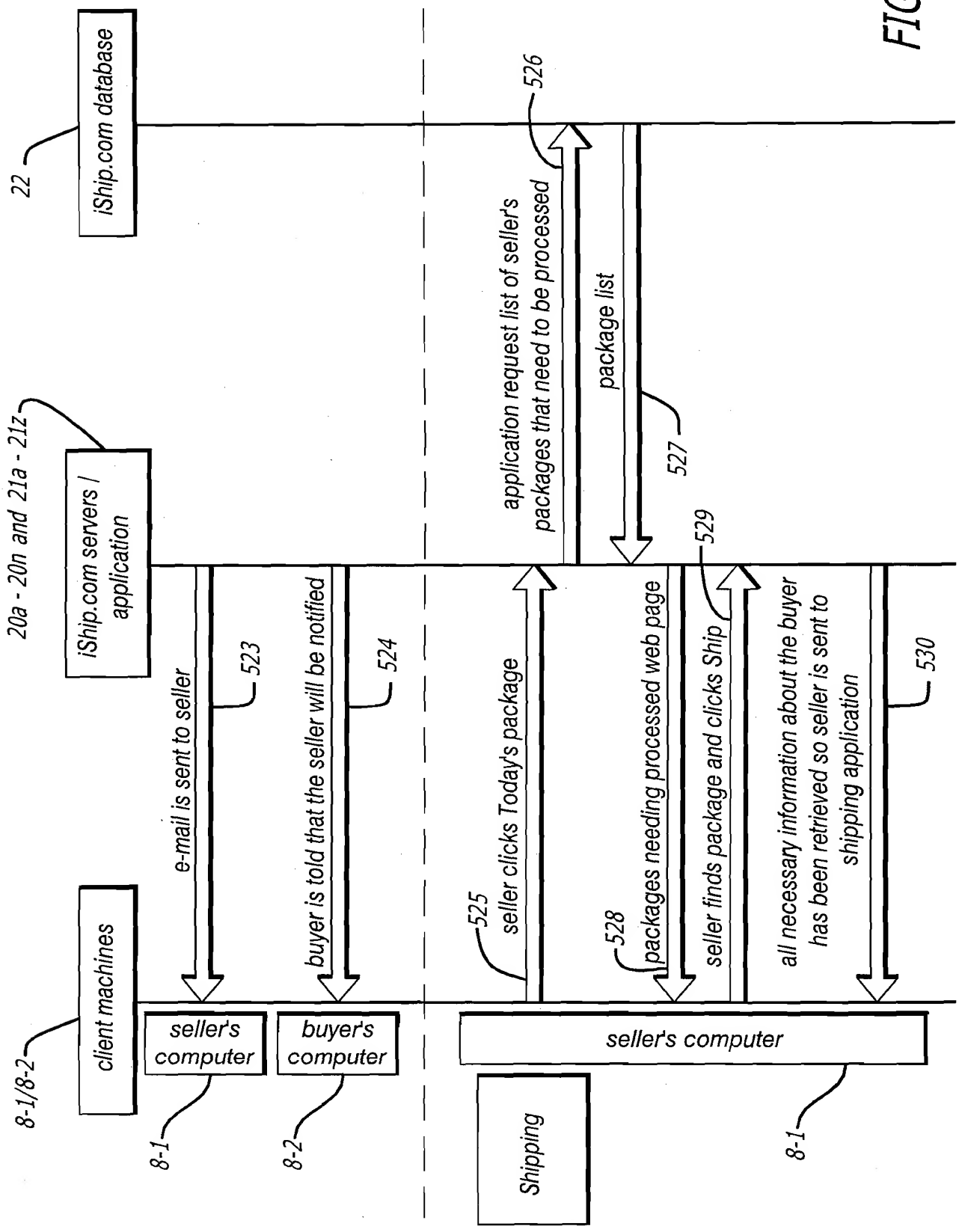

22
iShip.com database
526
application request list of seller's packages that need to be processed
package list
527
20a - 20n and 21a - 21z
iShip.com servers / application
529
e-mail is sent to seller
523
buyer is told that the seller will be notified
524
seller clicks Today's package
525
packages needing processed web page
528
seller finds package and clicks Ship
all necessary information about the buyer has been retrieved so seller is sent to shipping application
530
8-1/8-2
client machines
seller's computer
8-1
buyer's computer
8-2
Shipping
seller's computer
8-1

FIG. 64b-2

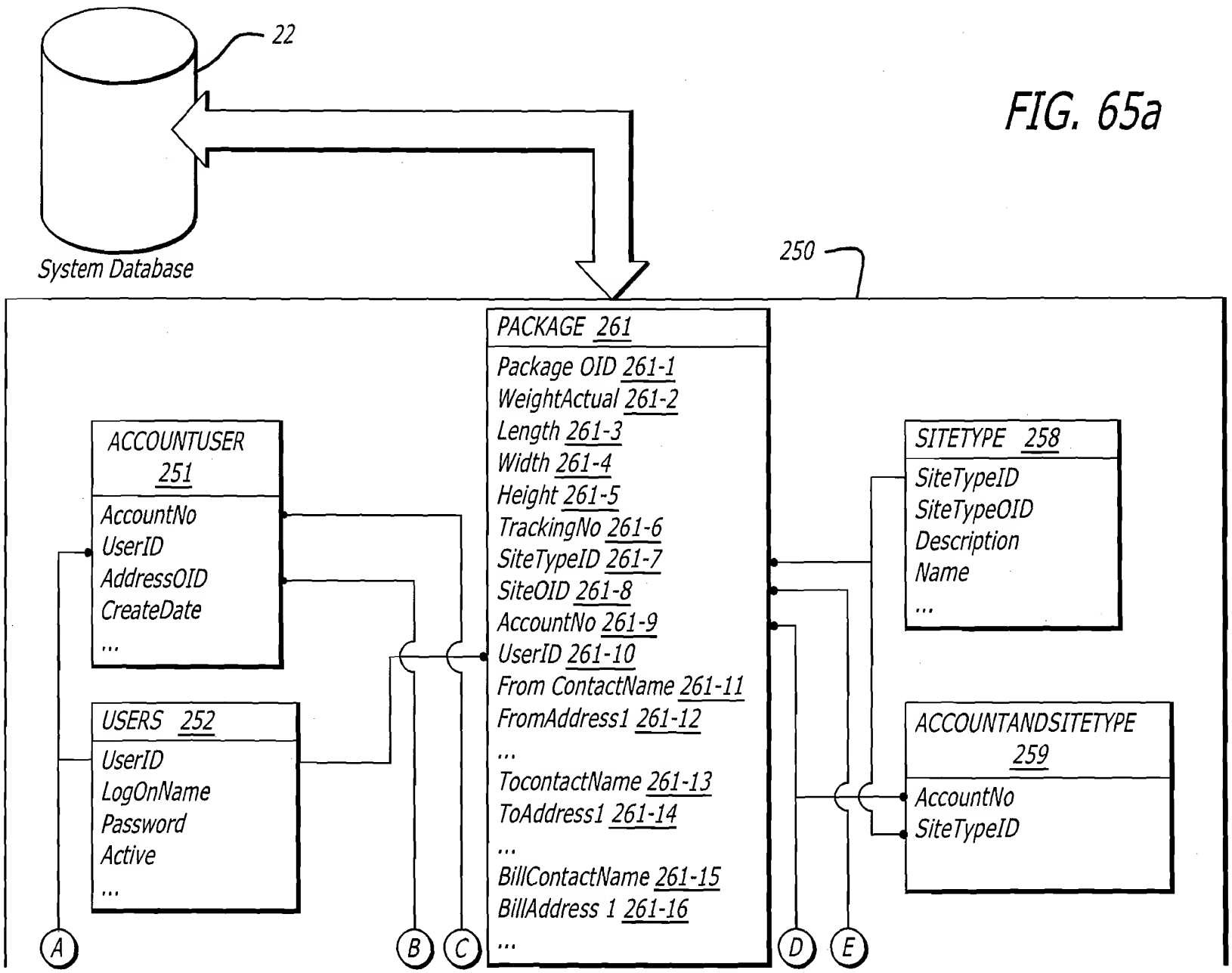
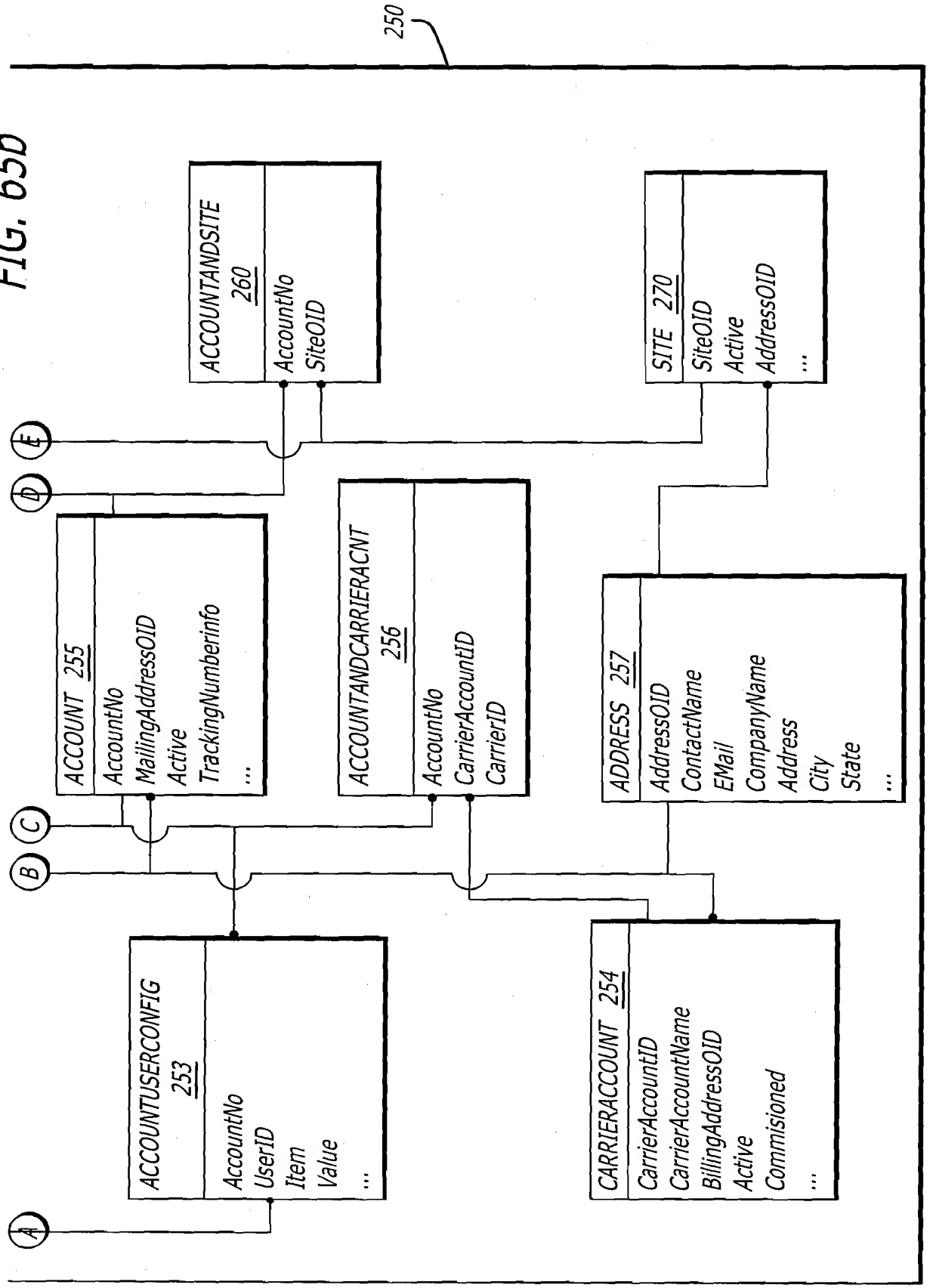



FIG. 65a

REPLACEMENT SHEET

FIG. 65b


250
ACCOUNTANDSITE
260
AccountNo
SiteOID
SITE 270
SiteOID
Active
AddressOID
...
E
D
ACCOUNT 255
AccountNo
MailingAddressOID
Active
TrackingNumberinfo
...
ACCOUNTANDCARRIERACNT
256
AccountNo
CarrierAccountID
CarrierID
ADDRESS 257
AddressOID
ContactName
EMail
CompanyName
Address
City
State
...
C
B
ACCOUNTUSERCONFIG
253
AccountNo
UserID
Item
Value
...
CARRIERACCOUNT 254
CarrierAccountID
CarrierAccountName
BillingAddressOID
Active
Commisioned
...
A

```
<iship.com.request xmins="x-schema:http://iship.com/api/schema/trackrequest.xmi"
transactionid="3855BD2185E111d3984400A0C9D6C226">
        <header mode="interactive">
                <version major="0" minor="1"/>
            <batch id="AE5E54F08E2311d3984900A0C9D6C226"
            url="http://shasta/api/track/trackresponse.asp" email="bob@iship.com"/>
        </header>
        <sigon sessionid="" userid="test" password="7777777"/>
        <trackit>
                <package sequencenumber="1">
                        <trackingnumber carrier="ups">
                                1Z1812530202075466
                        </trackingnumber>
                </package>
        </trackit>
        <logoff/>
</iship.com.request>
```

FIG. 66

```
<iship.com.response transactionid="3855BD2185E111d3984400A0C9D6C226">
        <status ishiprcode="0" signonrcode="0" trackitrcode="0" parsercode="0"
         systemrcode="0"/>
        <trackit>
                <package sequencenumber="1" packagercode="0">
                        <deliveredto></deliveredto>
                        <deliverylocation>LEFT AT 3S</deliverylocation>
                        <signedby>HOWARD</signby>
                        <lastscan>9/1/99 1:50:00 PM DELIVERY </lastscan
                        <status>Delivered</status>
                        <deliverytime>9/1/99 1:50:00 PM</deliverytime>
                        <carrier>UPS</carrier>
                        <service>2ND DAY AIR</service>
                        <shipdate>8/28/99 </shipdate>
                        <trackingnumber>1Z1812530202075466</trackingnumber>
                        <scanlocation>FORT HAMILTON, NY US</scanlocation>
                        <weight>400</weight>
                </package>
        </trackit>
<iship.com.response>
```

FIG. 67

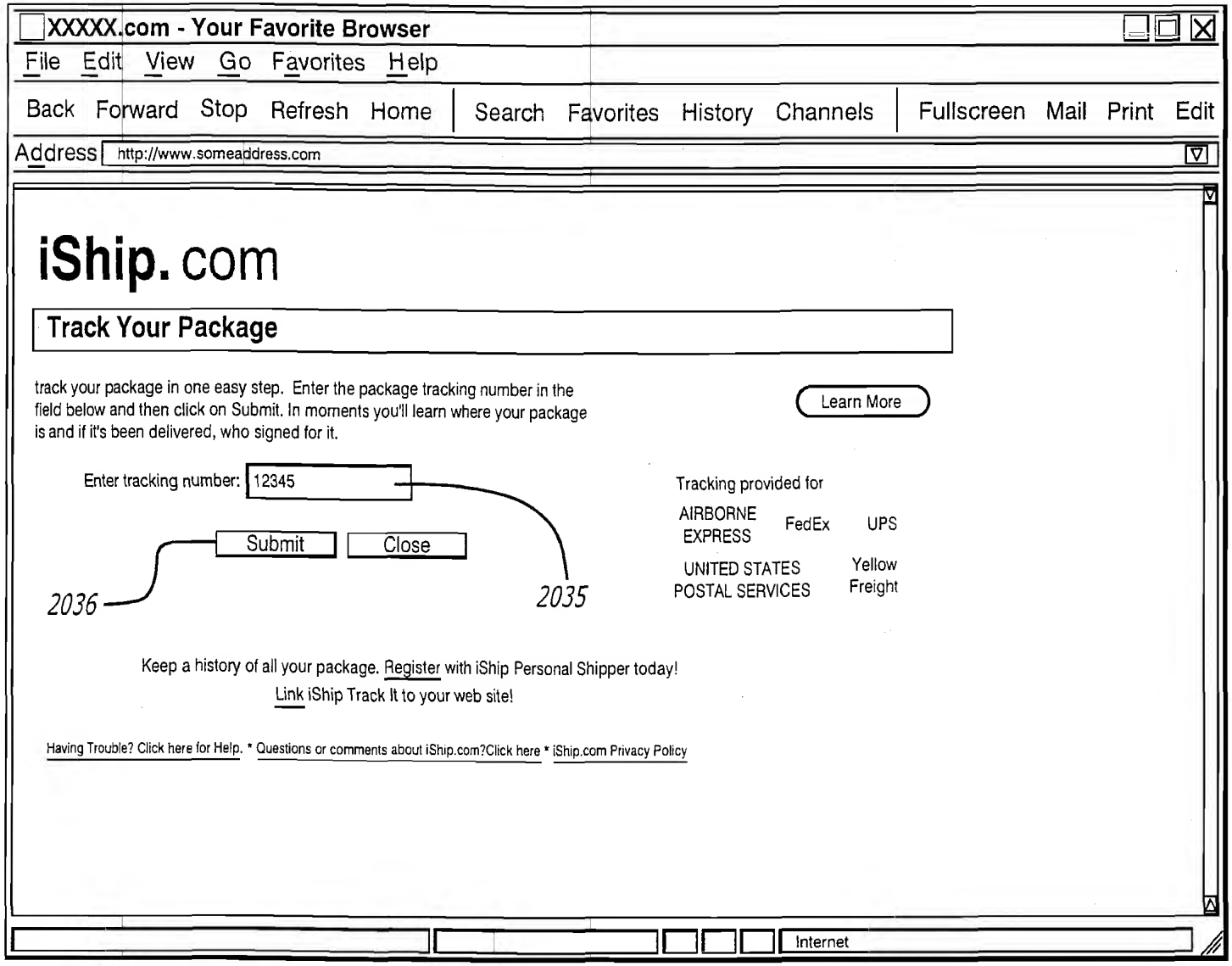
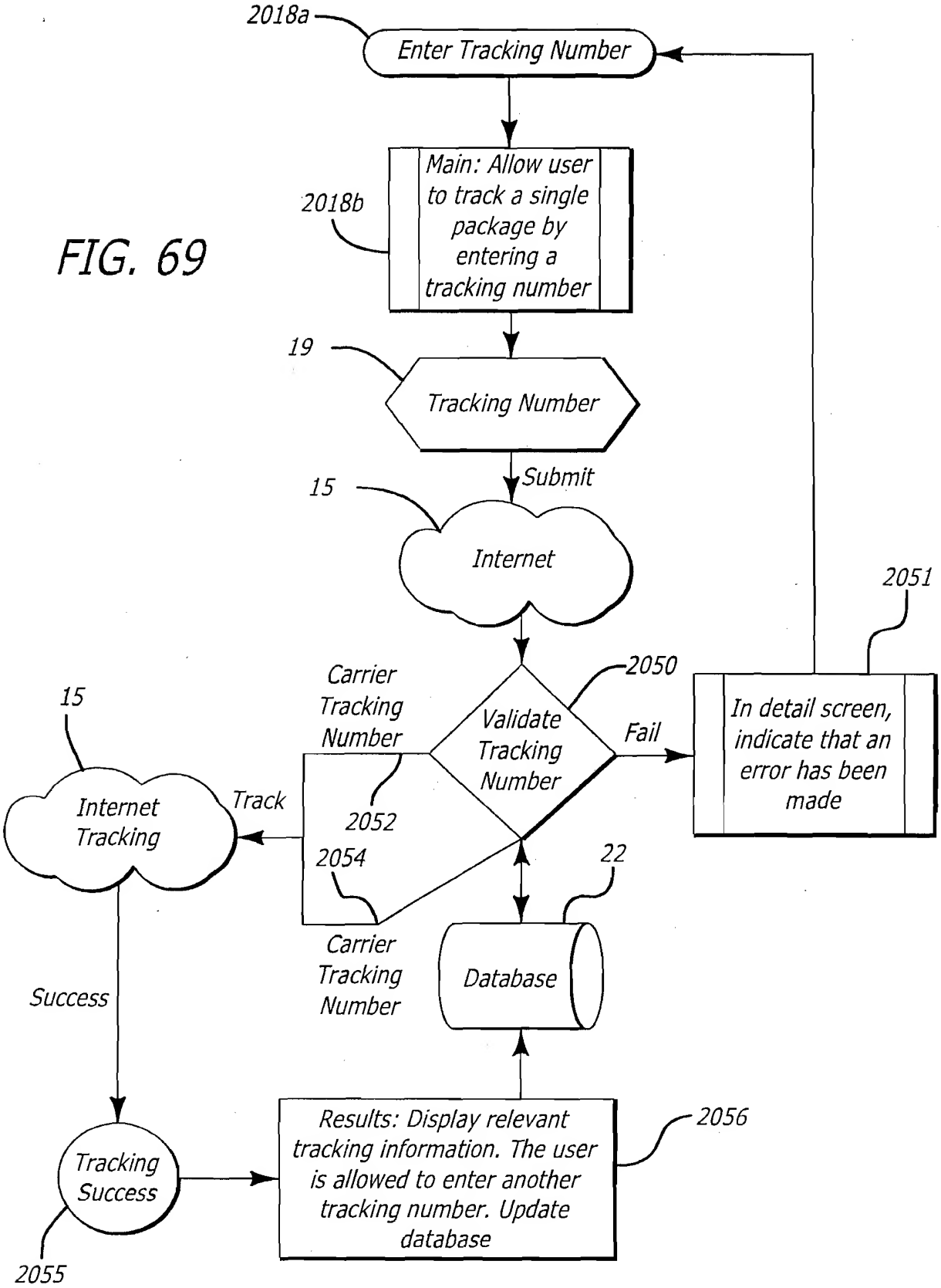



FIG. 68

REPLACEMENT SHEET

FIG. 69


2018a
Enter Tracking Number
2018b
Main: Allow user to track a single package by entering a tracking number
19
Tracking Number
Submit
15
Internet
2051
2050
Carrier Tracking Number
Validate Tracking Number
Fail
In detail screen, indicate that an error has been made
15
Internet Tracking
Track
2052
2054
22
Carrier Tracking Number
Database
Success
Tracking Success
2055
Results: Display relevant tracking information. The user is allowed to enter another tracking number. Update database
2056

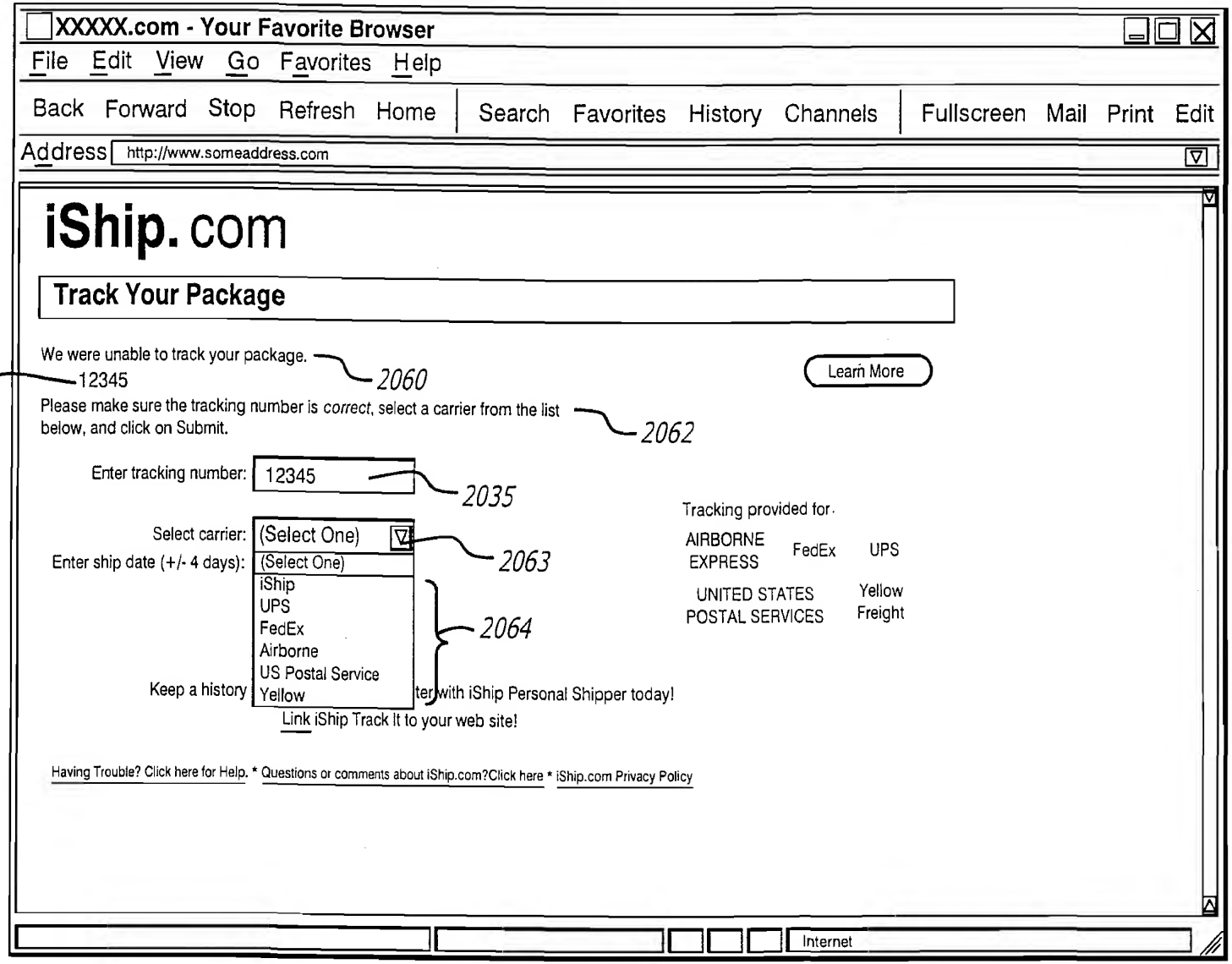



FIG. 70

REPLACEMENT SHEET

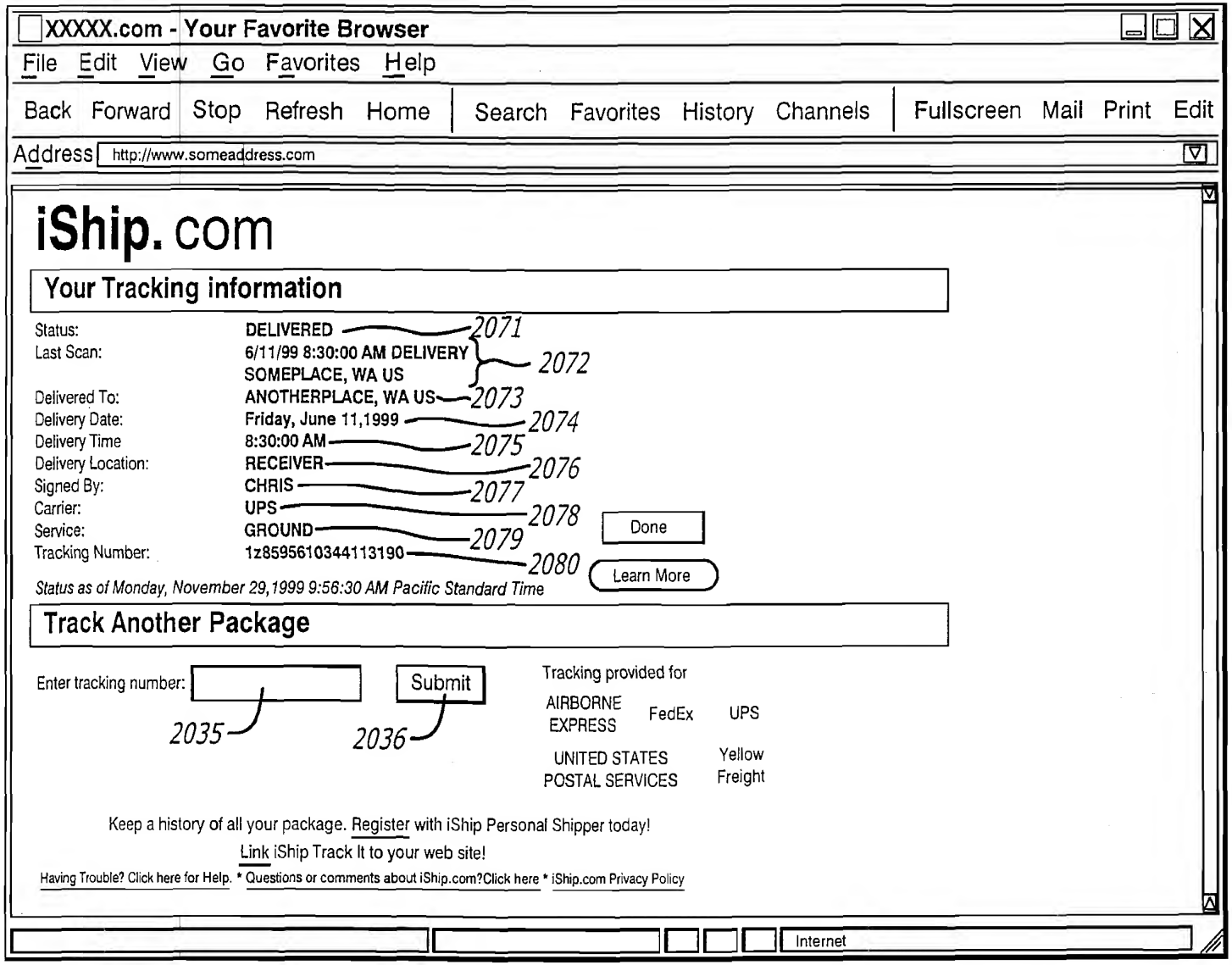



FIG. 71

REPLACEMENT SHEET

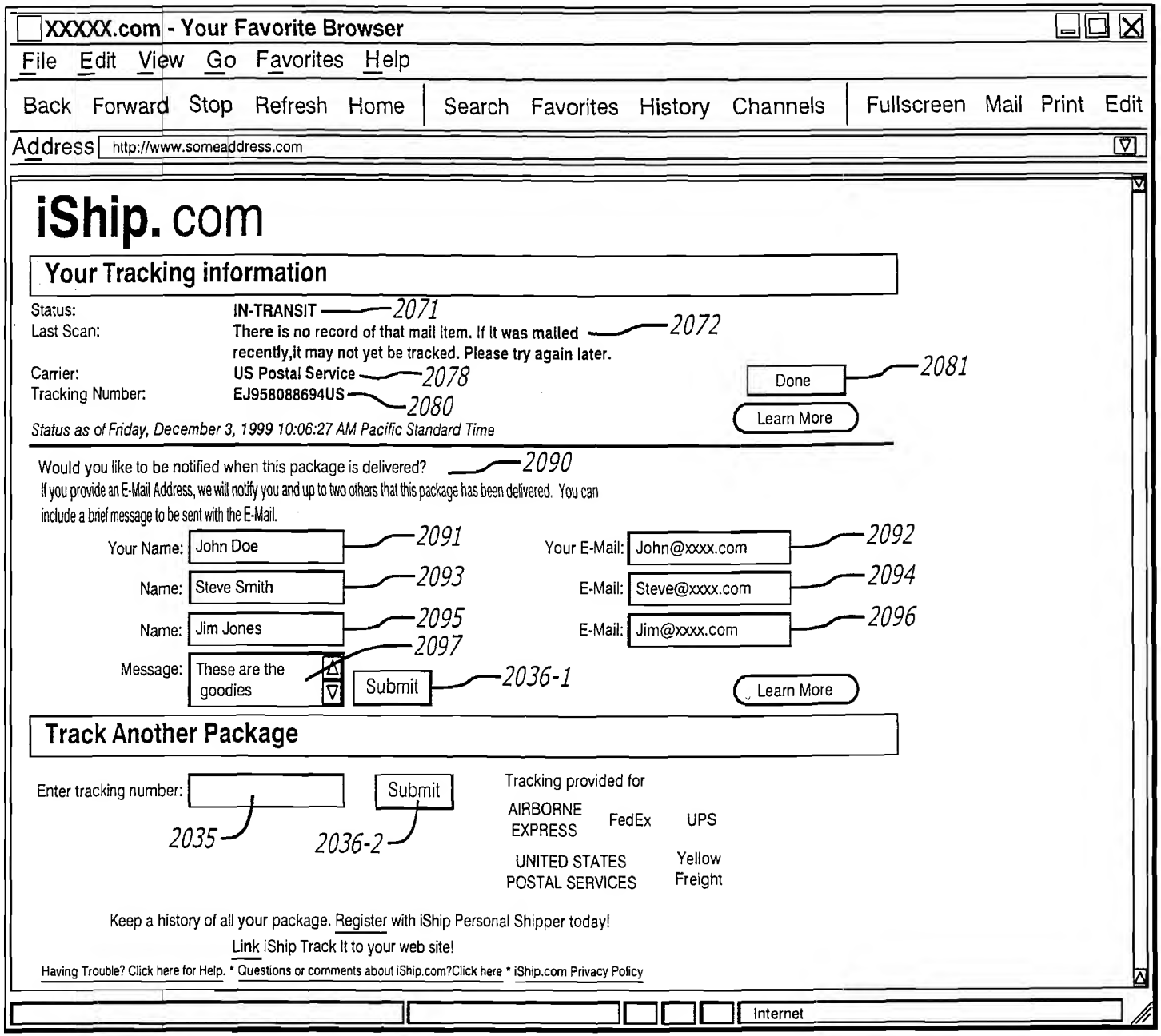



FIG. 72

REPLACEMENT SHEET

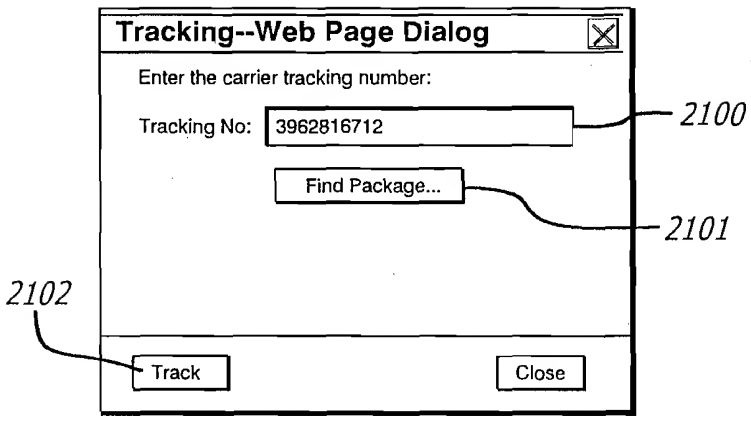



FIG. 73

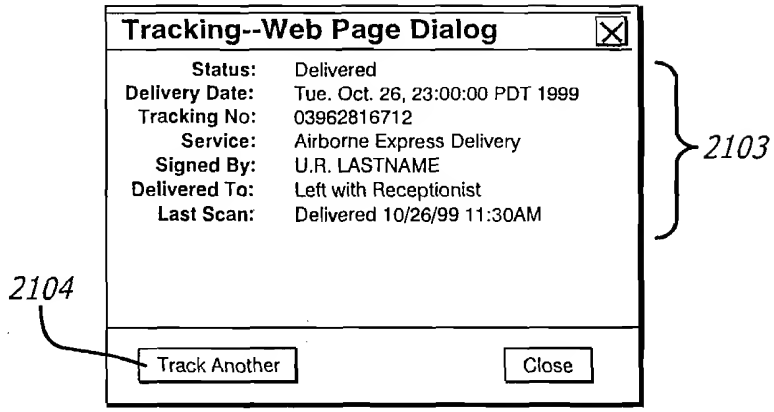



FIG. 74

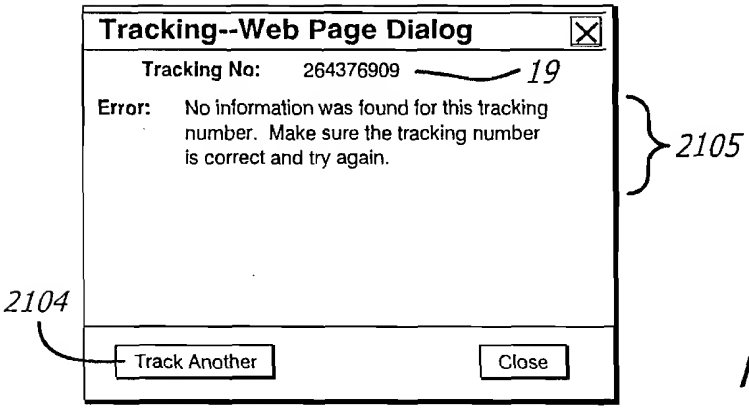
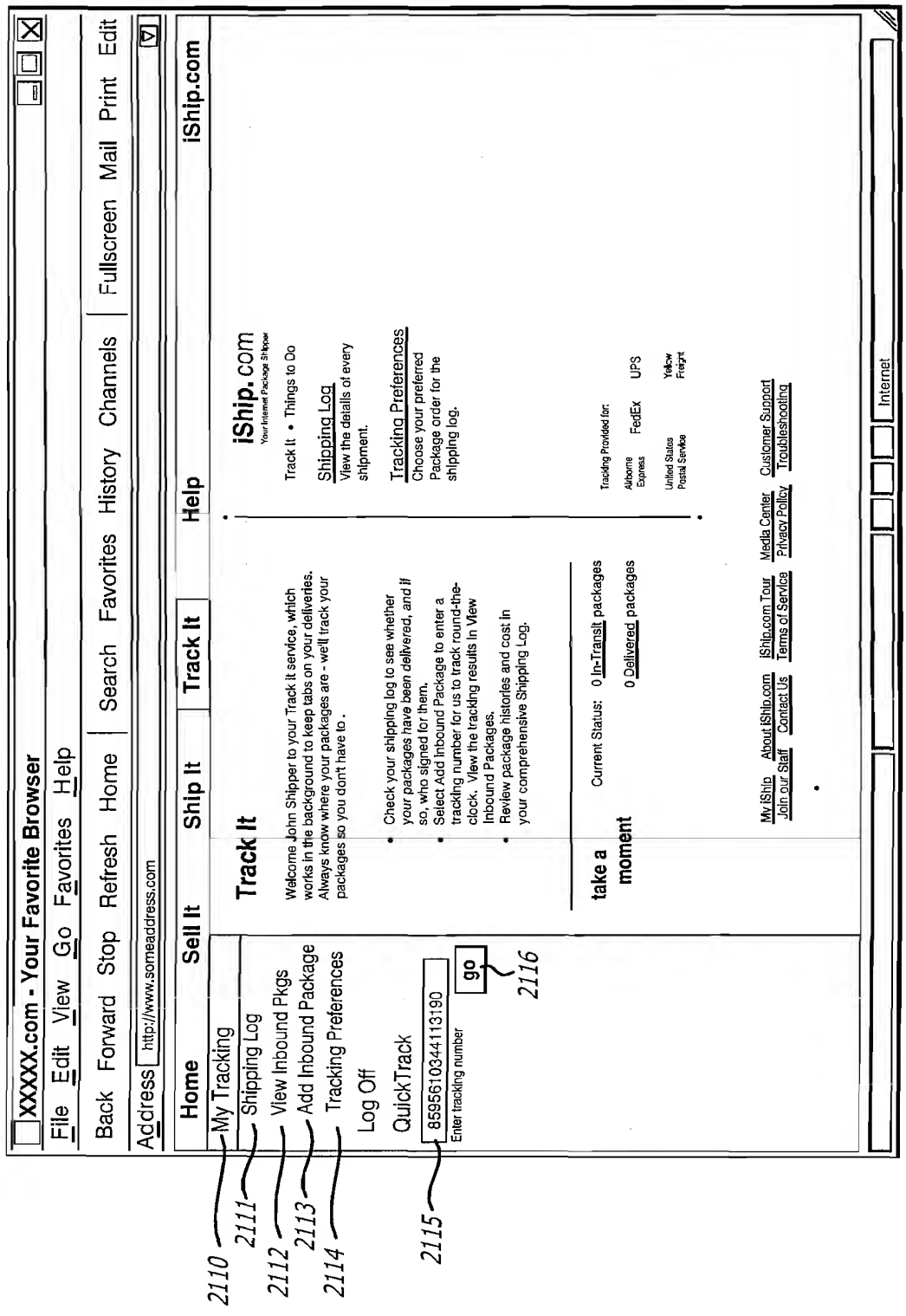



FIG. 75


XXXXX.com - Your Favorite Browser
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Back Forward Stop Refresh Home | Search Favorites History Channels | Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
iShip.com
My Tracking
Shipping Log
View Inbound Pkgs
Add Inbound Package
Tracking Preferences
Log Off
QuickTrack
8595610344113190
Enter tracking number
go
Track It
Welcome John Shipper to your Track It service, which works in the background to keep tabs on your deliveries. Always know where your packages are - we'll track your packages so you don't have to.
Check your shipping log to see whether your packages have been delivered, and if so, who signed for them.
Select Add Inbound Package to enter a tracking number for us to track round-the-clock. View the tracking results in View Inbound Packages.
Review package histories and cost in your comprehensive Shipping Log.
take a moment
Current Status: 0 In-Transit packages
0 Delivered packages
iShip.com
Your Internet Package Shipper
Track It • Things to Do
Shipping Log
View the details of every shipment.
Tracking Preferences
Choose your preferred Package order for the shipping log.
Tracking Provided for:
Airborne Express
FedEx
UPS
United States Postal Service
Yellow Freight
My iShip
About iShip.com
Join our Staff
Contact Us
iShip.com Tour
Terms of Service
Media Center
Privacy Policy
Customer Support
Troubleshooting
Internet
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2112
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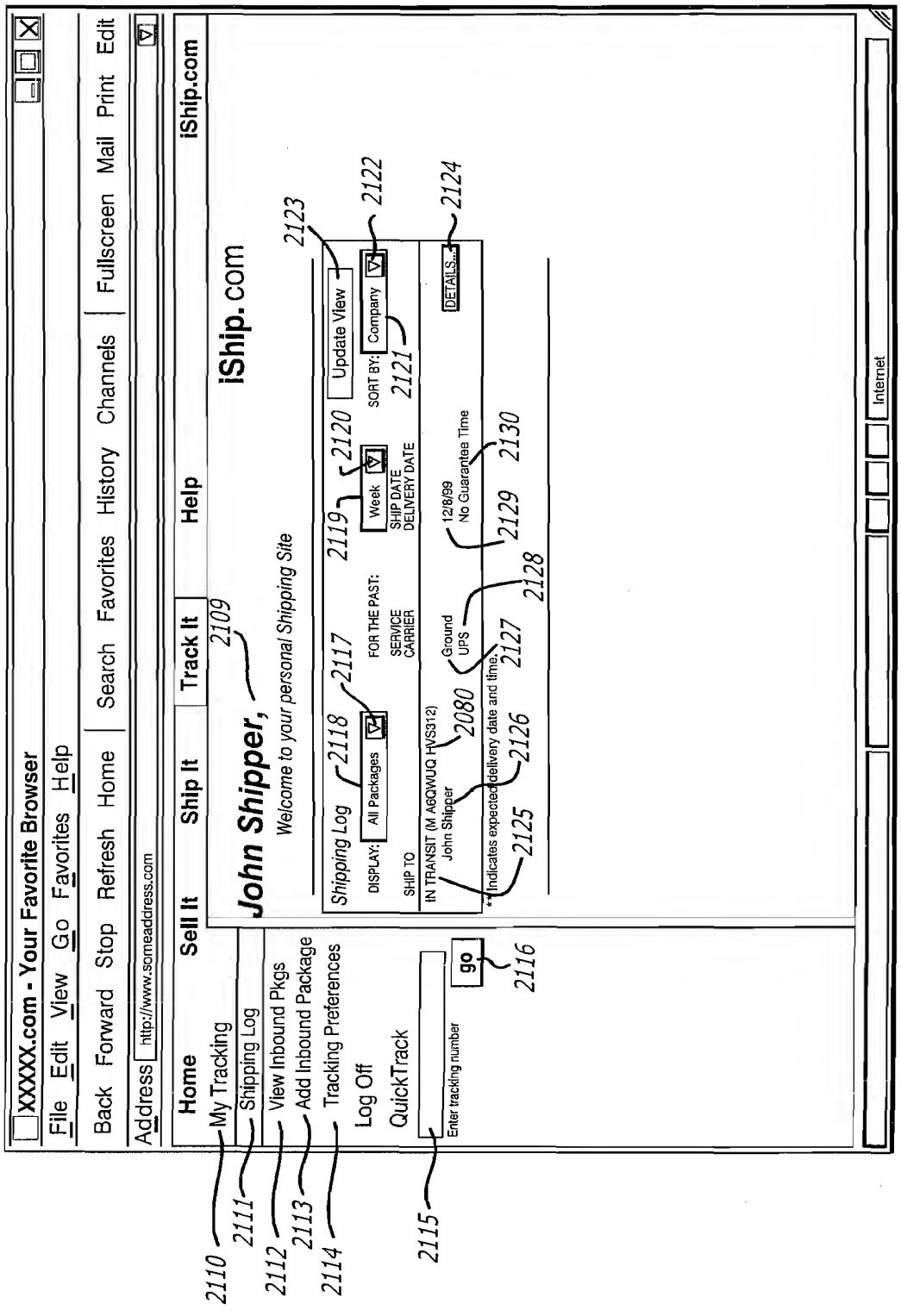
2114
2115
2116

FIG. 76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Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home Sell It Ship It Track It Help iShip.com
iShip.com
John Shipper,
Welcome to your personal Shipping Site
My Tracking
Shipping Log
View Inbound Pkgs
Add Inbound Package
Tracking Preferences
Log Off
QuickTrack
Enter tracking number
go
Shipping Log
DISPLAY: All Packages
FOR THE PAST: Week
SHIP DATE
DELIVERY DATE
Update View
SORT BY: Company
SHIP TO
SERVICE
CARRIER
IN TRANSIT (M A6QWUQ HVS312)
John Shipper
Ground
UPS
12/8/99
No Guarantee Time
DETAILS...
** Indicates expected delivery date and time.
Internet
2109
2110
2111
2112
2113
2114
2115
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2119
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2128
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2130
2080

FIG. 77

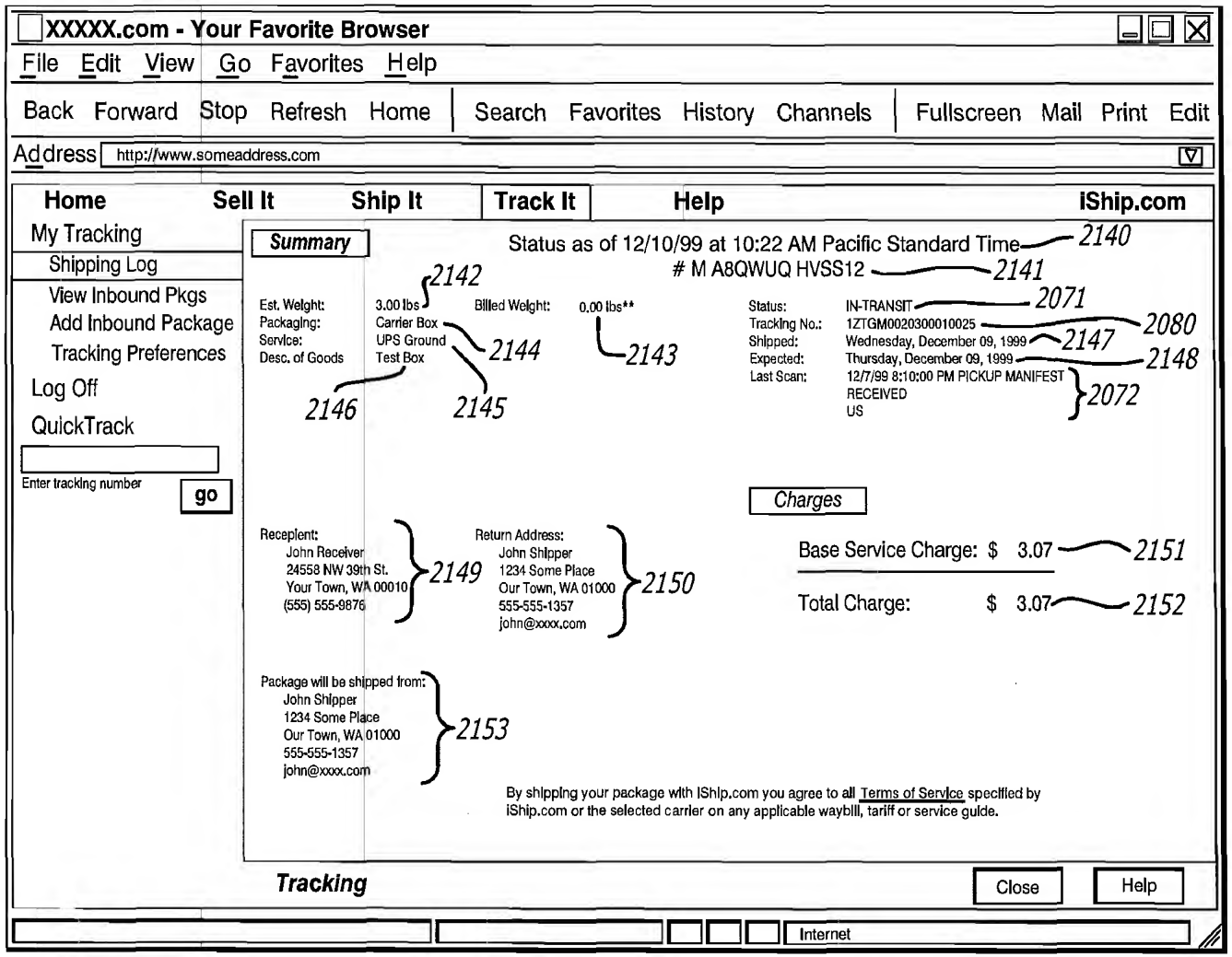
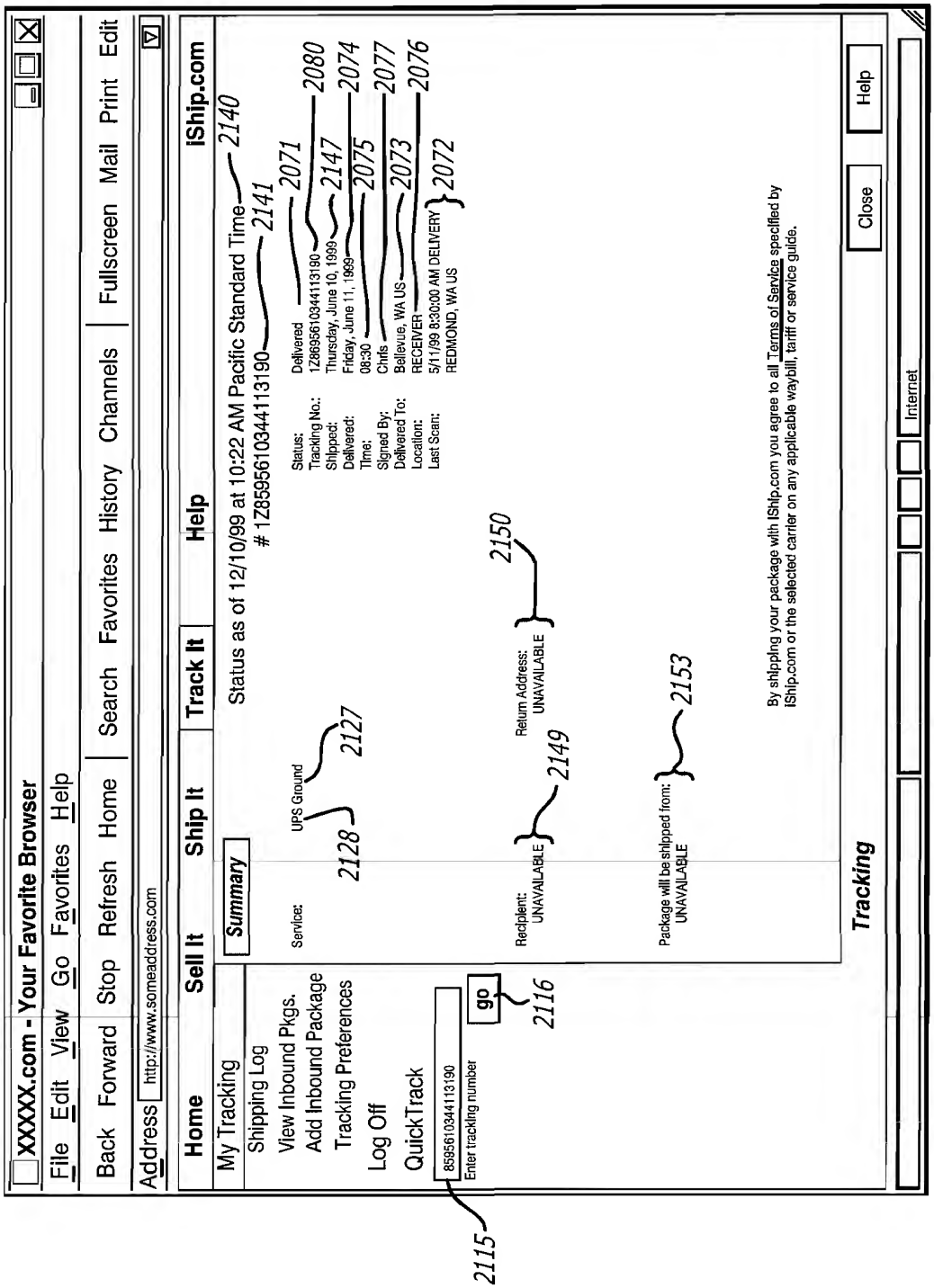



FIG. 78

REPLACEMENT SHEET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Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
iShip.com
My Tracking
Shipping Log
View Inbound Pkgs.
Add Inbound Package
Tracking Preferences
Log Off
QuickTrack
8595610344113190
Enter tracking number
go
Summary
Status as of 12/10/99 at 10:22 AM Pacific Standard Time
# 1Z8595610344113190
Service:
UPS Ground
Status:
Delivered
Tracking No.:
1Z8695610344113190
Shipped:
Thursday, June 10, 1999
Delivered:
Friday, June 11, 1999
Time:
08:30
Signed By:
Chris
Delivered To:
Bellevue, WA US
Location:
RECEIVER
Last Scan:
5/11/99 8:30:00 AM DELIVERY
REDMOND, WA US
Recipient:
UNAVAILABLE
Return Address:
UNAVAILABLE
Package will be shipped from:
UNAVAILABLE
By shipping your package with iShip.com you agree to all Terms of Service specified by iShip.com or the selected carrier on any applicable waybill, tariff or service guide.
Tracking
Close
Help
Internet
2115
2116
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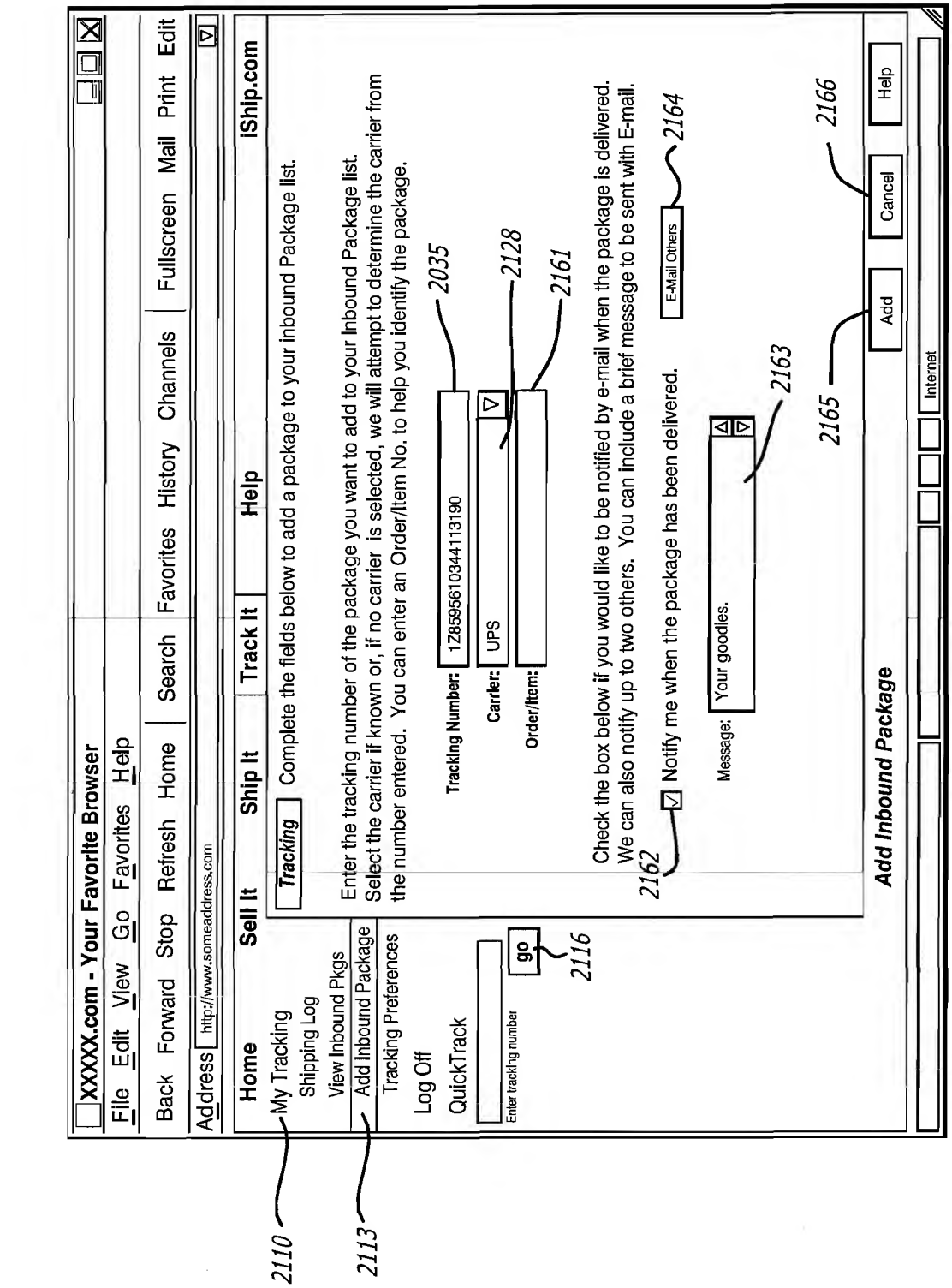
FIG. 79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Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
IShip.com
My Tracking
Shipping Log
View Inbound Pkgs
Add Inbound Package
Tracking Preferences
Log Off
QuickTrack
Enter tracking number
go
Tracking
Complete the fields below to add a package to your inbound Package list.
Enter the tracking number of the package you want to add to your Inbound Package list.
Select the carrier if known or, if no carrier is selected, we will attempt to determine the carrier from the number entered. You can enter an Order/Item No. to help you identify the package.
Tracking Number:
1Z8595610344113190
Carrier:
UPS
Order/Item:
Check the box below if you would like to be notified by e-mail when the package is delivered.
We can also notify up to two others. You can include a brief message to be sent with E-mail.
Notify me when the package has been delivered.
E-Mail Others
Message:
Your goodies.
Add Inbound Package
Add
Cancel
Help
Internet
2110
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2035
2128
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2162
2163
2164
2165
2166

FIG. 80

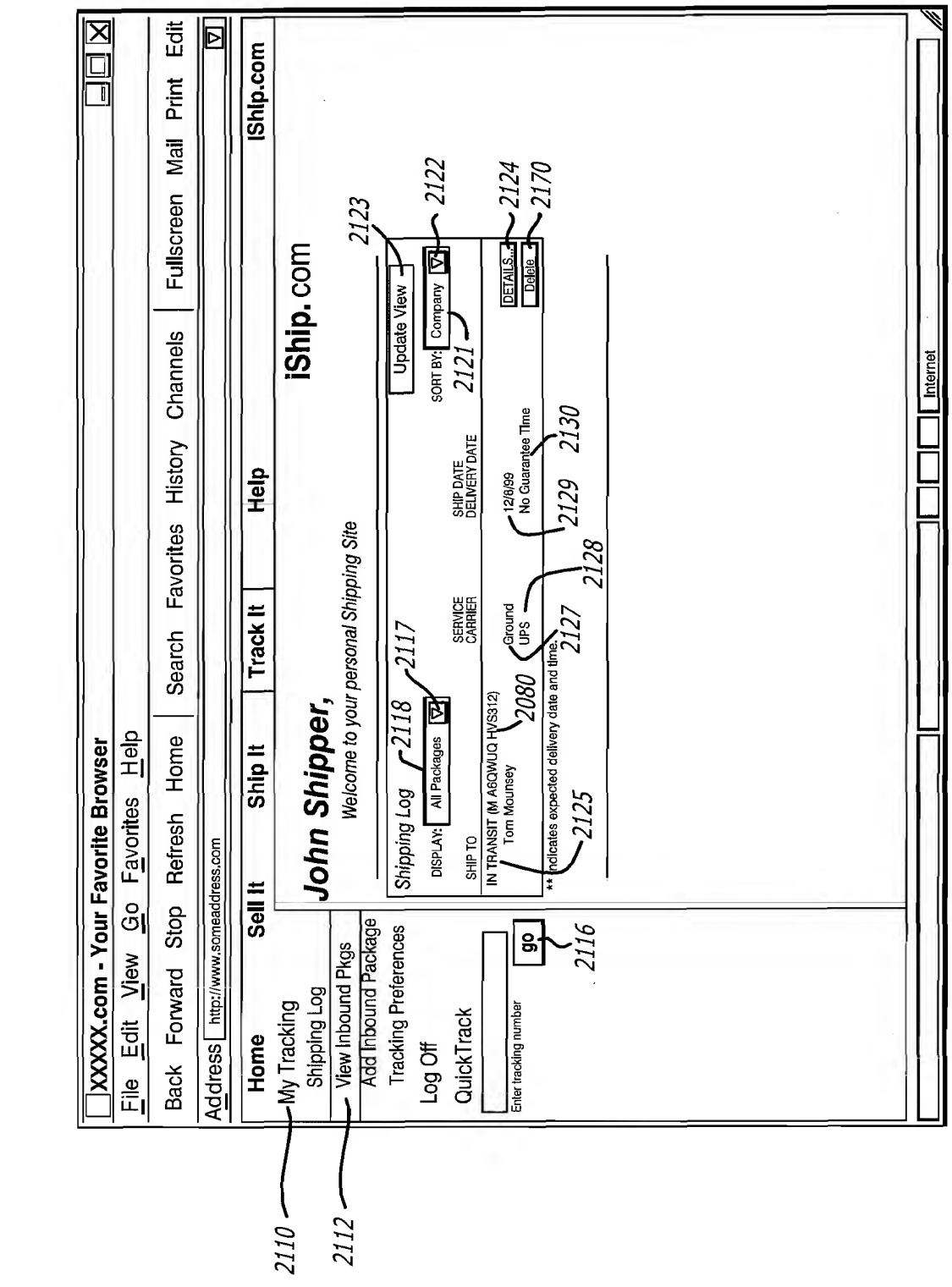
XXXXX.com - Your Favorite Browser
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit
Address http://www.someaddress.com
Home
Sell It
Ship It
Track It
Help
iShip.com
My Tracking
Shipping Log
View Inbound Pkgs
Add Inbound Package
Tracking Preferences
Log Off
QuickTrack
Enter tracking number
go
John Shipper,
Welcome to your personal Shipping Site
iShip.com
Shipping Log
DISPLAY:
All Packages
Update View
SORT BY:
Company
SHIP TO
SERVICE
CARRIER
SHIP DATE
DELIVERY DATE
IN TRANSIT (M A6QWUQ HVS312)
Tom Mounsey
Ground
UPS
12/8/99
No Guarantee Time
DETAILS...
Delete
** Indicates expected delivery date and time.
Internet
2110
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FIG. 81

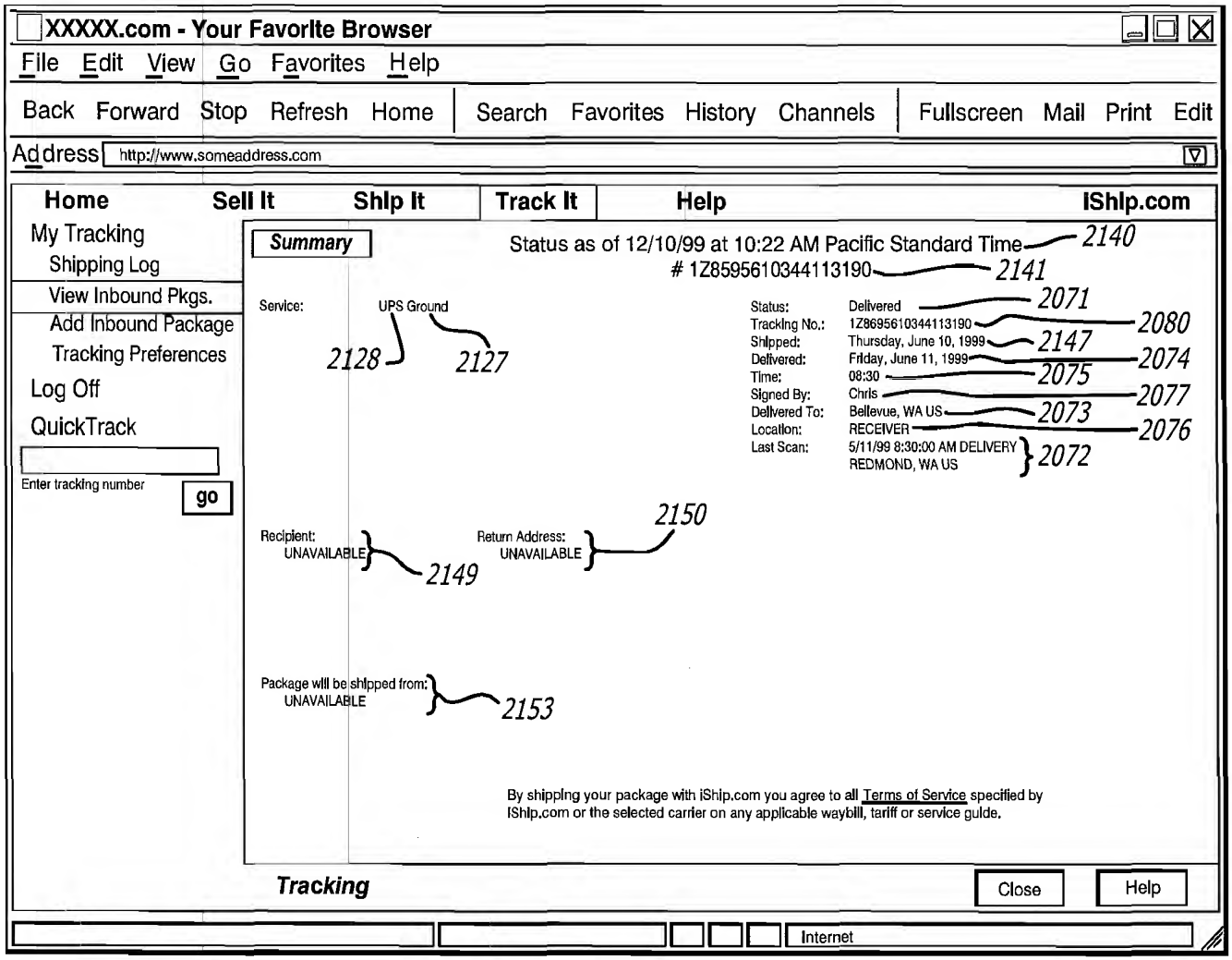


FIG. 82

REPLACEMENT SHEET